

45
889/90

Biological
Medical
Series

UNIVERSITY OF TORONTO.

MEDICAL FACULTY.

CALENDAR



SESSION 1889-90.

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1889.

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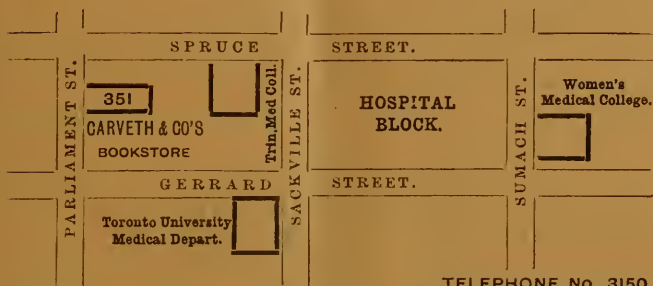
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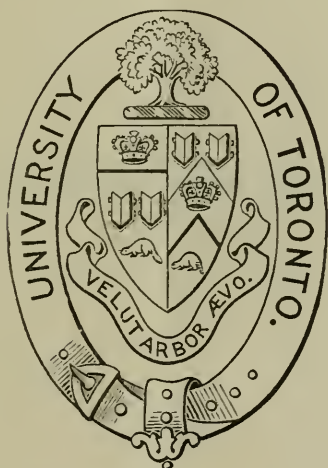
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SESSION 1889-90.

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ROWSELL & HUTCHISON, PRINTERS.

1889.

TORONTO: ROWSELL AND HUTCHISON, PRINTERS, KING STREET.

CALENDAR,
1389-90.

SEPTEMBER.

S.	M.	T.	W.	Th.	F.	Sa.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	7	18	19	20	21
22	23	24	25	26	27	28
29	30					

- 16 Senior and Junior Matriculation in Arts, and Supplemental Examinations in all the Faculties begin.
25 Meeting of University Council.

OCTOBER.

S.	M.	T.	W.	Th.	F.	Sa.
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1. MICHAELMAS TERM begins. Opening Lecture
2. Election of Members of Senate.
11. Meeting of Board of School of Science.
17. Meeting of Senate.

NOVEMBER.

S.	M.	T.	W.	Th.	F.	Sa.
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8. Meeting of Board of School of Science
21. Meeting of Senate.

DECEMBER.

S.	M.	T.	W.	Th.	F.	Sa.
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22	23	24	25	26	27	28
29	30	31				

- 13 Meeting of Board of School of Science.
20. MICHAELMAS TERM ends.
25. Library and Museum closed.

JANUARY.

S.	M.	T.	W.	Th.	F.	Sa.
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26	27	28	29	30	31	

1. Library and Museum closed.
2. EASTER TERM begins.
6. Lectures begin.
10. Meeting of Board of School of Science

FEBRUARY.

S.	M.	T.	W.	Th.	F.	Sa.
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- 14 Meeting of Board of School of Science.
19. No Lectures.

MARCH.

S.	M.	T.	W.	Th.	F.	Sa.
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14. Meeting of Board of School of Science.
20. Meeting of Senate.
25. Annual Examinations in Medicine begin.

APRIL.

S.	M.	T.	W.	Th.	F.	Sa.
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4. Good Friday.
8. Council Examinations begin.
11. Meeting of Board of School of Science
14. Annual Meeting of the Medical Faculty.
18. Special Convocation, Medical Faculty
28. University Examinations in Law.
28. Summer Session begins. [begin.]

MAY.

S.	M.	T.	W.	Th.	F.	Sa.
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25	26	27	28	29	30	31

2. University Examinations of Students in Arts begin.
5. Meeting of University Council.
15. Meeting of Senate.
24. Library and Museum closed.

JUNE.

S.	M.	T.	W.	Th.	F.	Sa.
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29	30					

10. UNIVERSITY COMMENCEMENT.

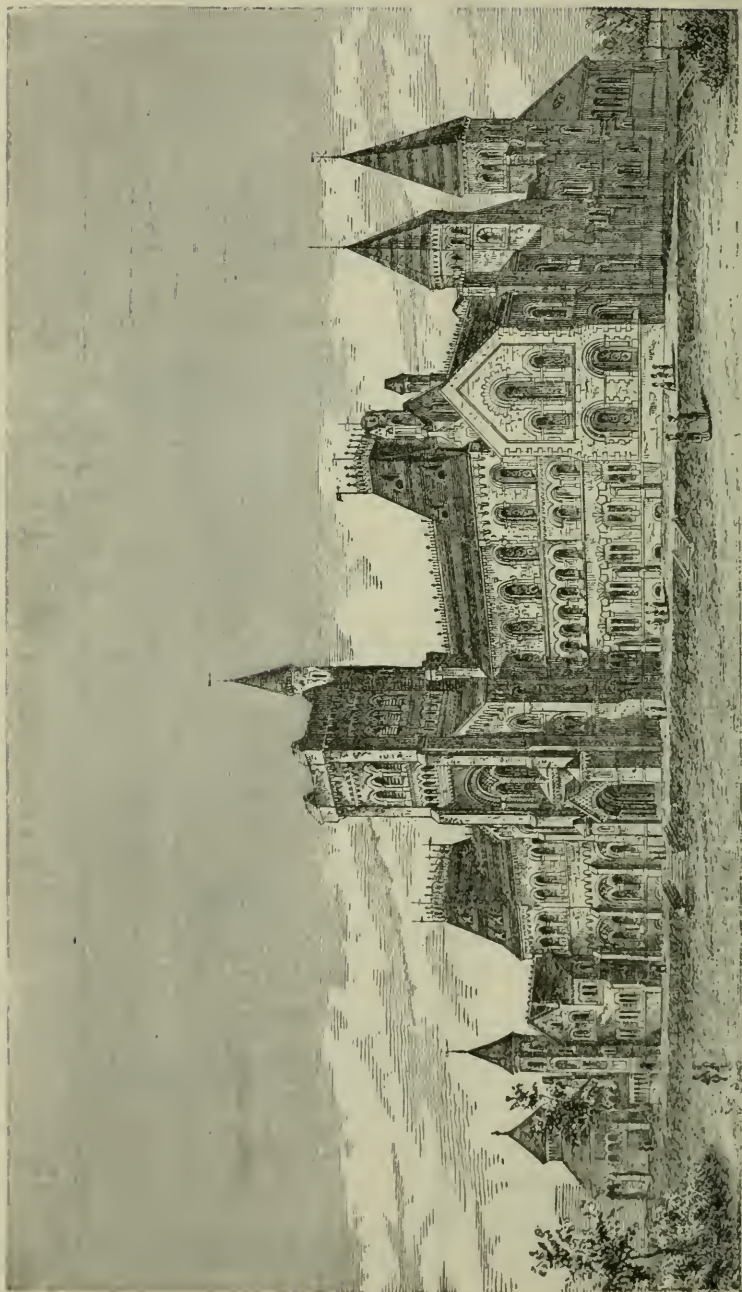
JULY.

S.	M.	T.	W.	Th.	F.	Sa.
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1. Library and Museum closed.
4. Summer Session ends.
8. University Examinations of Junior Matriculants in Arts and Medicine begin.

AUGUST.

S.	M.	T.	W.	Th.	F.	Sa.
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31						



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Lecturers, Demonstrators, and Instructors.

A. B. MACALLUM, B.A., M.B. TOR., PH.D., JOHNS HOPKINS.

Lecturer on Physiology, and Demonstrator of Histology.

JOHN FERGUSON, M.A., M.D., TOR., L.F.P.S., GLASGOW,

L.R.C.P., EDIN.

Demonstrator of Anatomy.

THOS. MCKENZIE, B.A., M.B.

Demonstrator of Practical Biology.

G. H. BURNHAM, M.D. TOR., F.R.C.S., EDIN., M.R.C.S., ENG.

Clinical Lecturer on Ophthalmology and Otology.

ALEX. MCPHEDRAN, M.B.

Lecturer on Clinical Medicine.

GEORGE R. McDONAGH, M.D. TOR., L.R.C.P., LOND.

Instructor in Laryngology and Rhinology.

W. J. LOUDON, B.A.

Demonstrator of Practical Physics.

O. R. AVISON, M.D.

Demonstrator of Materia Medica and Pharmacy.

JOHN CAVEN, B.A., M.D., L.R.C.P., LOND.

Lecturer in Pathology and Demonstrator of Pathological Histology.

H. WILBERFORCE AIKINS, B.A., M.D.,

M.R.C.S., ENG.

GEORGE PETERS, M.B.

ALEX. PRIMROSE, M.B., M.R.C.S., ENG.

W. P. CAVEN, M.B., L.R.C.P., LOND.

G. A. FÉRÉ, M.B., L.R.C.P., LOND.,

M.R.C.S., ENG.

*Assistant
Demonstrators
of Anatomy.*

KING'S COLLEGE

AND THE

UNIVERSITY OF TORONTO.

King's College, at York (now Toronto), was established by His late Majesty George IV., by charter bearing date March 15, 1827, with the style and privileges of a University. It was endowed by the same Sovereign with 225,944 acres of land, by patent, bearing date January 3rd, 1828.

In the year 1837 the two Houses of the Legislature of Upper Canada amended the charter by a Bill, to which the Lieutenant-Governor gave the royal assent March 4 of that year.

In the year 1842, on April 23, the foundation stone of the building in the University Park was laid by His Excellency the Right Hon. Sir Charles Bagot, G.C.B., M.A., Christ Church, Oxford, Governor-General of British North America.

In the year 1843, temporary accommodation having been provided in the Parliament Buildings, the first Matriculation of Students took place; and the Inaugural Addresses and Lectures were delivered on June 8 and 9.

In the year 1849, the two Houses of the Legislature of Canada, by a Bill, to which the Deputy-Governor gave the royal assent May 30 of that year, repealed

the Act of 1839, and "so much of the said charter, so granted by His late Majesty King George IV., as aforesaid, as is contradictory with this Act or any of the provisions thereof, or as makes any provision in any matter provided for by this Act other than such as is hereby made in such matter."

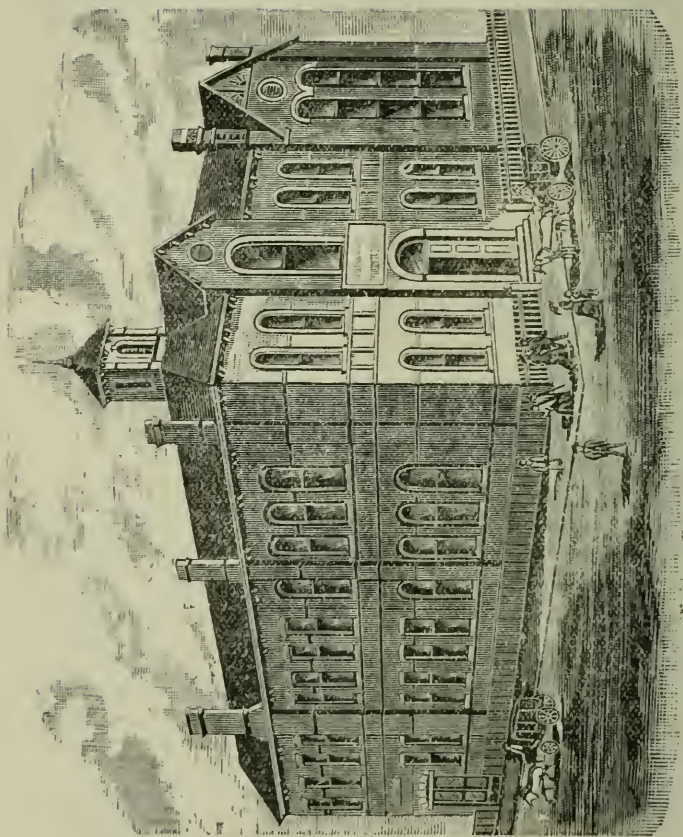
On October 25, 1849, His Excellency the Right Hon. the Earl of Elgin and Kincardine, K.T., M.A., Merton College, Oxford, Governor-General of British North America, &c., presided as Chancellor at the last Commencement of King's College.

On January 1, 1850, the new Act came into operation, and the institution is hereafter to be conducted according to its provisions, under the designation of "The University of Toronto."

In the year 1853, the Medical Teaching Faculty of the University of Toronto was abolished, although many strong friends of higher education in general and of the University in particular were opposed to such extinction; but it was contended that public funds should not be expended in providing purely professional training. In 1856 a petition, numerously signed was sent to the Government praying for the restitution of the Medical Faculty, but the arguments, before alluded to, referring to the expense of such teaching, prevailed, and the request was not granted.

During recent years, it has been argued that a scheme might be matured which would give the University a Teaching Faculty in Medicine, and thus extend to a large degree the usefulness of the University professoriate, without any extra expense to the Government. The only objection on the part of the public being thus removed, the Government of Ontario embodied in the Federation Act of the Session 1887 a clause which gave to the Senate of the University the power to establish

such a Faculty The Senate at once decided that it was "desirable to establish a Medical College which shall be the Medical Faculty of the University." After a careful consideration of all the details the necessary statutes were passed by the Senate, and received the sanction of the Governor in Council, August 22nd, 1887.



TORONTO UNIVERSITY, BUILDING OF MEDICAL FACULTY.

University of Toronto.

MEDICAL FACULTY.

The third Session since the re-establishment of the Medical Faculty of the University of Toronto will commence on Tuesday, October 1st, 1889, when the opening Lecture will be delivered at 4 p. m., in the Convocation Hall of the University.

There will be, as far as possible, a distinct and separate course for each of the four years.

Graduates in Arts may complete the full course in three years, if they choose; but those who have not previously taken a course in Science are strongly recommended to take the ordinary four year's course.

The Lectures and Demonstrations in Biology, Physiology, Chemistry, Physics, Pathology, and Bacteriology, will be given in the lecture rooms and laboratories of the new building of the Biological Department and the School of Practical Science. Students will now be afforded facilities which are fully in accord with recent advances in the Department of Science.

A great portion of the teaching will be done in the laboratories, and will be illustrated by modern experimental methods, and also apparatus suitable for all branches.

Instruction in Anatomy will be given in the lecture room and demonstrating rooms of the Medical College. Special attention will be paid to demonstrations in the dissecting rooms by the Demonstrator and a staff of five assistants.

Lectures and demonstrations in *Materia Medica* will be given in the Medical College.

Lectures and demonstrations in the final subjects will also be given in the Medical College. These will be, as far as possible, practical in character, and will be illustrated by suitable diagrams and apparatus. The lectures in Surgery will include demonstrations and operations on the cadaver.

In addition to the Gross and Microscopic demonstrations a systematic course of lectures in Pathology will be given ; and the time-table will be so arranged that there will be two distinct and separate sets of lectures in Medicine, and Medical Pathology, and Surgery, and Surgical Pathology for Students of the Third and Fourth Years respectively.

Clinical instruction will be given in the Toronto General Hospital, the Burnside Lying-in-Hospital, and other Medical Charities of Toronto. This teaching will be to a large extent at the bed-side, when the students will be expected to examine cases and watch their progress. Two Physicians and two Surgeons have been appointed to teach in Clinical Medicine and Surgery respectively. Others have been selected to give instruction on special subjects in the various wards and in the out-door department.

As the teaching in all departments is eminently practical in character, the Faculty has found it necessary to insist upon an early attendance of students in all the years.

The laboratory classes are made up in the first week of the Session, and the Faculty cannot promise admission to any who apply later.

COURSES OF LECTURES

AND

METHODS OF INSTRUCTION.

WINTER SESSION, 1889-90.

SURGERY.

PROFESSOR, W. T. AIKINS.

Inflammation, Surgical Injuries, including Fractures, Dislocations, Injuries to the soft parts, and gun-shot wounds. Amputations, Ligations of Arteries, Surgical Diseases, including Abscess, Ulcers, Gangrene, Erysipelas, Pyæmia, Tumours, Aneurisms, Joint Diseases Plastic Surgery, Hernia, Urinary Calculus.

Special attention will be paid to the practical parts of Surgery, comprising injuries and diseases which are most frequently met with in Canada.

The Lectures will be illustrated by plates and specimens from the Museum and by operations on the Cadaver.

PRINCIPLES OF SURGERY.

PROFESSOR, I. H. CAMERON.

This course will embrace Lectures on Surgical Pathology and the principles of Surgery especially as applied in antiseptic methods.

CLINICAL SURGERY.

PROFESSOR, L. MCFARLANE.

This course will be given in the Toronto General Hospital, and will embrace demonstrations of minor

surgery in the out-door department, regular Clinical Lectures, and bedside instruction. Every effort will be made to make the course as thorough and practical as possible. The out-door Clinics and the regular Clinical Lectures will be given in the large theatre, and the bedside teaching will be given in the wards. Special attention will be paid to Clinical instruction at the bedside, and Wounds, Fractures, &c., will be treated as far as possible in the presence of the classes, the Surgical Dressers being expected to do a large portion of the work in applying suitable dressings, reducing fractures, &c.

THEORY AND PRACTICE OF MEDICINE.

PROFESSOR, H. H. WRIGHT.

This course will be divided into two parts, comprising General and Special Pathology.

The first part consisting of Etiology, Nosology, Symptomatology, Pathology, Prophylaxis, Prognosis and Treatment.

Second part—1st, General Diseases; 2nd, Local Diseases.

Special attention will be paid to those diseases which are most frequently met with in Canada.

The Lectures will be illustrated by plates and morbid specimens from the Museum.

NERVOUS DISEASES AND DERMATOLOGY.

PROFESSOR, J. E. GRAHAM.

This course will include a number of Lectures on General and Special Pathology, which will be delivered every year. In alternate years sets of Lectures will be delivered on the subjects of Nervous Diseases and Skin Diseases. In the session of 1889-90 the subject treated will be Dermatology. In 1890-91, Nervous Diseases.

CLINICAL MEDICINE.

PROFESSOR, J. E. GRAHAM.

The course of instruction in Clinical Medicine will be thorough and systematic. The students will be encouraged to examine carefully all classes of patients both in the out-door department and in the general wards. Demonstrations of all modern appliances in diagnosis and treatment will be given. The Clinical Clerks will be expected to keep accurate reports of all cases allotted to them. Out-patients will be treated from 1.30 to 2.30 p.m. Regular Clinical Lectures will be held in the large theatre from 2.30 to 3.30 p.m., and limited classes will be taken through the wards at 3.30 p.m.

GYNÆCOLOGY.

PROFESSOR, UZZIEL OGDEN.

The lectures on this subject will include descriptions of all the diseases peculiar to women, methods of diagnosis and treatment. Instruments will be presented, and the modes of using them will be demonstrated. The Clinical instruction given in the Hospital on both in and out-patients will supplement the didactic course.

OBSTETRICS.

PROFESSOR, ADAM WRIGHT.

This course will consist of lectures and recitations on the Science and Art of Obstetrics. It will be illustrated by diagrams and operations on the phantom. Special attention will be paid to the emergencies of obstetric practice.

PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR THORBURN.

This course will deal especially with the Physiological actions of medicinal agents and their application to disease. It is intended for students in their second and third years. The officinal drugs of the British Pharmacopoeia, and other new remedies, will be discussed, and their effects on diseased conditions of the body will be explained.

MEDICAL JURISPRUDENCE AND TOXICOLOGY.

PROFESSOR, W. W. OGDEN.

Human Development and Decay.—Medical evidence derivable from these. Personal identity. Marriage and divorce. Pregnancy, concealed and pretended, with means of determining. Delivery : signs of near and remote. Rape ; Infanticide ; Hanging, Drowning, etc., etc. ; Burns, Scalds, etc., etc.

Toxicology.—Under the latter, poisons are grouped according to their effects, the general symptoms of various groups or classes, with general treatment. An effort is made to simplify the study of the subject as much as possible, and render its acquirement a matter of comparative ease.

SANITARY SCIENCE.

PROFESSOR W. OLDRIGHT.

The advance in Sanitary Legislation and in Public Health work in this Province and elsewhere during the past few years has been such that it is impossible to obtain an adequate practical knowledge of the subject from text books. In the course of lectures the wants in this respect of the intending practitioner will be kept especially in view.

In addition to theoretical teaching practical demon-

strations will be given by means of various apparatus and instruments.

In connection with some of the subjects of this department the student will receive additional assistance in the practical work of the Chemical and Biological laboratories.

The following subjects will be embraced in the course :

Air.—Impurities and their effects ; ventilation ; modes of determining its sufficiency.

Heating.—Various methods described and compared.

Sewage.—Disposal and utilization ; dry, wet, and air methods ; sewerage and house drainage.

Hygienic Architecture.

Contagion and Infection.—Quarantine and management of epidemics.

Climatology.—Soils, winds, vegetation, heat and cold.

Clothing. Baths.

Water.—Sources ; varying composition and impurities ; their effects ; how removed and prevented.

Foods.—Comparative values ; impurities — their effects, their detection.

School Hygiene :

Mental Hygiene. Exercise. Occupation. Mode of Life.

Hygiene of Infant Life and of Old Age.

Sanitary Legislation.—Municipal, Provincial, Dominion, and International.

MEDICAL PSYCHOLOGY AND MENTAL DISEASES.

PROFESSOR DANIEL CLARK, MEDICAL SUPERINTENDENT OF THE ASYLUM FOR INSANE.

A course of eighteen lectures, mostly Clinical, will be delivered at the Asylum. It will consist of instructions in the various forms of insanity, the treatment of

the insane, and the pathology of the disease. The normal condition of mind, in contra-distinction to mental alienation will form a prominent part of the course.

OPHTHALMIC AND AURAL SURGERY.

PROFESSOR, R. A. REEVE.

LECTURER, DR. G. H. BURNHAM.

A course of practical Lectures will be given on Diseases of the Eye and Ear, illustrated by cases at the Toronto General Hospital.

LARYNGOLOGY AND RHINOLOGY.

INSTRUCTOR, DR. GEORGE R. McDONAGH.

A course of practical instruction in diseases of the throat and nose, and the use of the Laryngoscope, will be given, illustrated by cases.

PATHOLOGY.

LECTURER AND DEMONSTRATOR, DR. JOHN CAVEN.

This course will embrace lectures on General and Special Pathology, Surgical and Medical; together with demonstrations in both Gross Morbid Anatomy, and Pathological Histology. Special attention will be given to Microscopic Examination of Urine. The course will also embrace lectures and demonstrations in Bacteriology—for which the new Laboratory affords all facilities.

DESCRIPTIVE AND SURGICAL ANATOMY.

PROFESSORS, J. H. RICHARDSON AND M. H. ATKINS.

A complete course on Descriptive and Surgical Anatomy will be given.

All the various structures entering into the composition of the human frame will be exhibited and

described, the Lectures being illustrated by freshly-dissected specimens, dried and wet preparations, wax models and diagrams.

DEPARTMENT OF BIOLOGY AND PHYSIOLOGY.

PROFESSOR, R. RAMSAY WRIGHT, M.A., B.Sc.

LECTURER, A. B. MACALLUM, B.A., M.B., PH.D.

FELLOW, J. J. MACKENZIE, B.A.

DEMONSTRATOR, THOS. MACKENZIE, B.A., M.B.

The teaching in this Department will follow closely the requirements of the College of Physicians and Surgeons, and will in addition comply with the regulations of the University of Toronto.

It is proposed to have two separate courses in Physiology, one for Students of the First Year, which will aim at imparting a thorough knowledge of the elements of Physiology, and a more advanced course for Second Year Students, in which special attention will be given to the relations of Physiology to Medicine.

Both of these courses will be arranged so as to admit of the most complete illustration by modern experimental methods, the apparatus at the disposal of the Department being such as to render possible a thoroughly practical presentation of the methods and results of Modern Physiology.

In the Second Year Practical Course on Normal Histology, each student will be instructed in the methods of preparing and mounting histological specimens, and will have the opportunity of providing himself with a set of over fifty typical preparations of histology and embryology.

A course of Lectures on the Elements of Biology including Botany, will be held for Students of the First Year during both Terms. It will be illustrated by specimens as well as by the large collection of diagrams and models in the University collection. Special

attention will be devoted to the Animal and Vegetable Parasites of Man. A practical class for instruction in the use of the microscope, &c., will be arranged for in connection with this Class and the Class in Elementary Physiology.

The new building of the University Biological Department, will be ready for the accommodation of Students on the 1st of October. This structure, which has being erected at a cost of \$50,000, will be one of the best-fitted institutions on the Continent for teaching and research in the various branches of Biology. The ground floor contains a large Lecture Room, with Preparation Room and Laboratories for Chemical and Physical Physiology. The first floor contains a Laboratory for practical classes in Elementary Biology, which will also be employed for those in Normal and Pathological Histology. On this floor are the special Laboratories for Honor Students in Arts of the Third and Fourth Years, as well as rooms for Bacteriological and Photographic work, and for experiments in Vegetable Physiology. The convenience of Students has been consulted in providing cloak rooms, laboratories, and lockers.

CHEMISTRY.

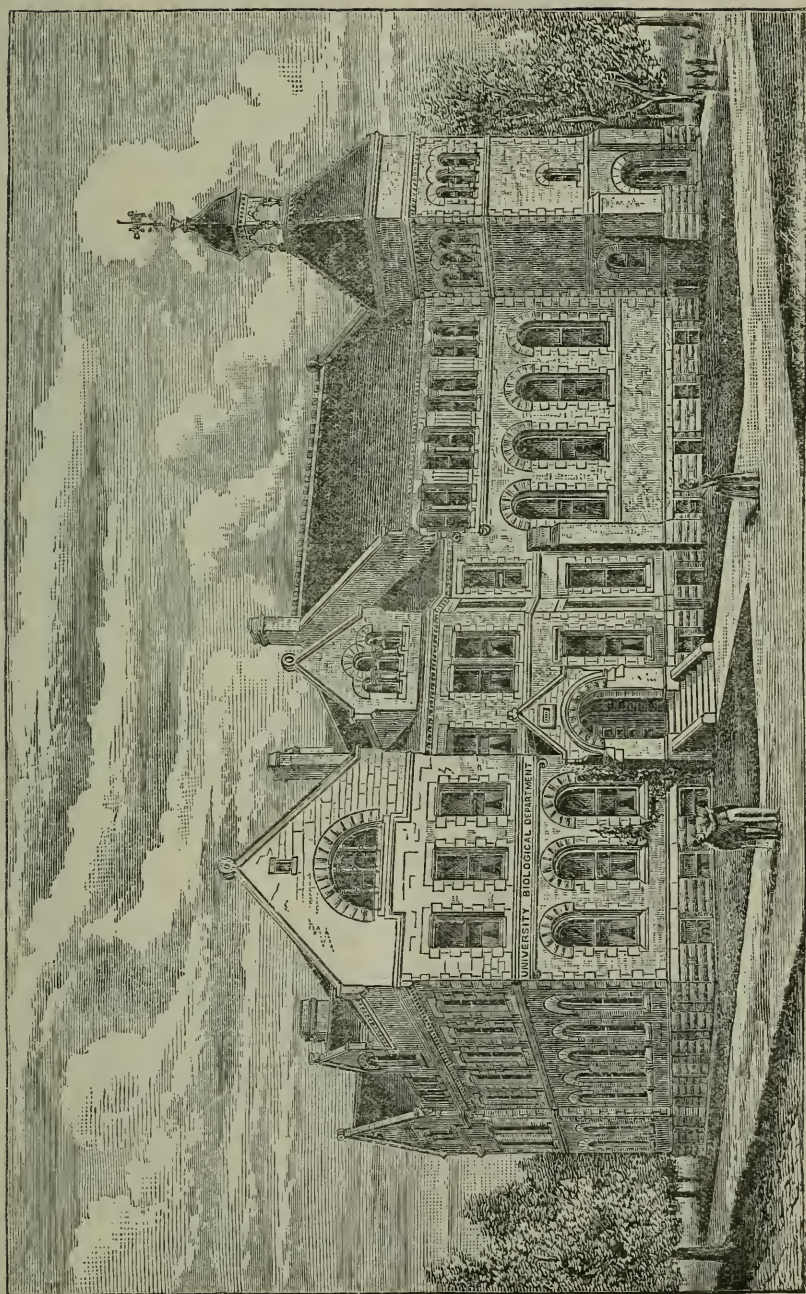
PROFESSOR W. H. PIKE.

Two courses of Lectures on Chemistry, Organic and Inorganic, the former for Students of the Second Year, the latter for Students of the First Year.

MEDICAL CHEMISTRY.

PROFESSOR W. H. ELLIS.

This course is designed to familiarise the Student with the methods of Chemical Analysis as applied to Medical Science. The course comprises both Lectures and Laboratory practice, chiefly the latter, and embraces the examinations of the chemical substances



UNIVERSITY BIOLOGICAL DEPARTMENT.

met with in the Pharmacopoeia ; quantitative and qualitative analysis of water and air ; Toxicology and the chemical examination of some of the more important constituents of the animal body and of the secretions.

PHYSICS.

PROFESSOR—JAMES LOUDON, M.A.

DEMONSTRATOR—W. T. LOUDON, B.A.

FELLOW—J. G. WITTON, B.A.

A full course of experimental lectures on Physics will be given. The subjects of lectures for the first term will be Mechanics and Hydrostatics (2 hours a week), and Heat and Optics (2 hours a week). For the second term the subjects of lectures will be Acoustics (2 hours a week), and Electricity and Magnetism (2 hours a week).

PRACTICAL ANATOMY.

DEMONSTRATOR, DR. JOHN FERGUSON.

ASSISTANTS, { DR. H. WILBERFORCE AIKINS.
DR. G. A. PETERS.
DR. A. PRIMROSE.
DR. W. P. CAVEN.
DR. G. A. FÉRÉ.

The Demonstrator attends daily in the Dissecting-room, for the purpose of directing students in their dissections, and examining them on dissected parts. At least three examinations will be given upon each part before granting a certificate. A series of demonstrations will be given on a carefully dissected subject.

The Dissecting-room will be open daily at stated hours, which will appear in the time-table.

The Assistant-Demonstrators will attend in the Dissecting-room during regular hours each day.

MATERIA MEDICA AND PHARMACY.

DEMONSTRATOR, DR. O. R. AVISON.

I. CRUDE DRUGS,

Their nomenclature, source, recognition, adulterations, impurities, tests. physical and chemical properties, nature of their active principles, and methods of determining their relative value.

II. PREPARED DRUGS.

- a.* General Pharmaceutical Operations, as Solution, Maceration, Percolation, preparation of Infusions, Ointments, &c.
- b.* The different Menstrua and bases of the officinal preparations, with reasons for their selection.
- c.* Officinal preparations — Considered individually, their strength, adulterations, recognition, &c.
- d.* The principles of Incompatibility.

All the important drugs of the B. P. will be dealt with, and attention given to new drugs which have the confidence of the profession.

FEES MEDICAL TEACHING FACULTY.

Registration (payable once only) \$5 00

FIRST YEAR.

Demonstrations, with dissecting material..... \$12 00

Anatomy 15 00

Physiology 12 00

Chemistry 12 00

Practical Chemistry 5 00

Materia Medica 12 00

Biology (including Zoology and Botany) 5 00

Total..... \$73 00

SECOND YEAR.

Demonstrations, with dissecting material..... \$12 00

Anatomy 15 00

Physiology 12 00

Chemistry 12 00

Materia Medica 12 00

Normal Histology 8 00

Medical Chemistry 5 00

Total..... \$76 00

THIRD YEAR.

Medicine \$12 00

Clinical Medicine 12 00

Surgery 12 00

Clinical Surgery..... 12 00

Medical and Surgical Pathology..... 6 00

Midwifery 12 00

Pathological Histology..... 8 00

Medical Jurisprudence..... 12 00

Total..... \$86 00

FOURTH YEAR.

Medicine \$12 00

Clinical Medicine 12 00

Surgery 12 00

Clinical Surgery..... 12 00

Medical and Surgical Pathology..... 6 00

Gynæcology..... 12 00

Topographical Anatomy 10 00

Sanitary Science..... 5 00

Medical Psychology 5 00

Total..... \$86 00

Second Course in Medical Jurisprudence free.

TORONTO UNIVERSITY MEDICAL SOCIETY.

Patrons:

ALL MEMBERS OF THE TEACHING STAFF.

OFFICERS FOR 1889-90.

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DR. J. FERGUSON.

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GEO. H. BOWLES.

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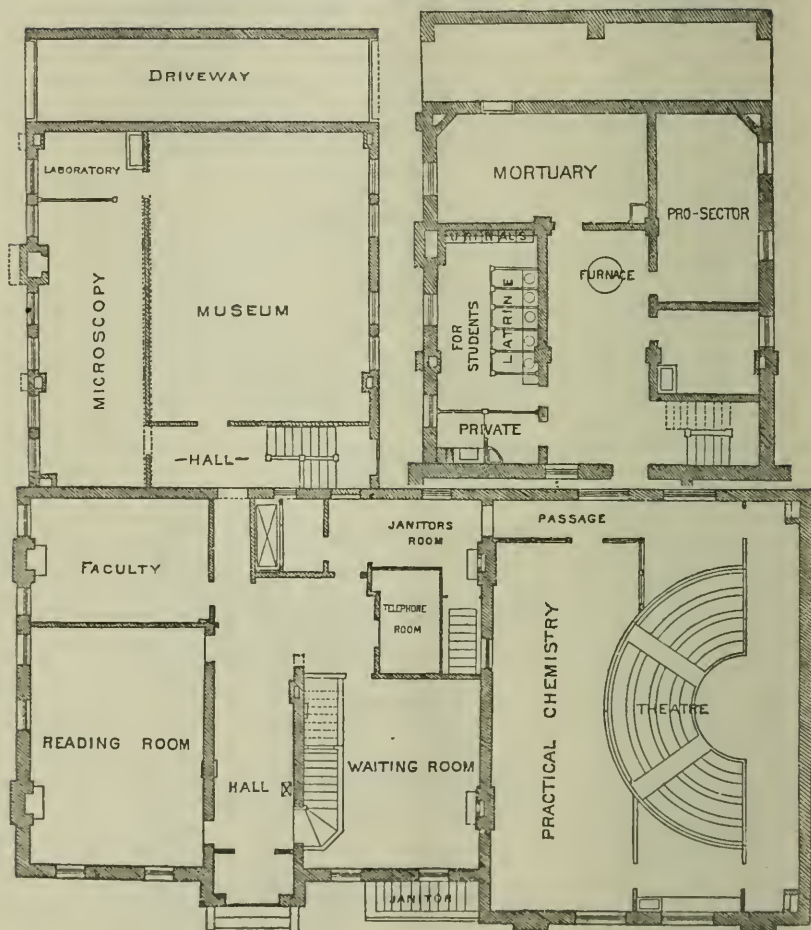
JNO. A. MACDONALD.

J. DOW.

J. E. WILSON.

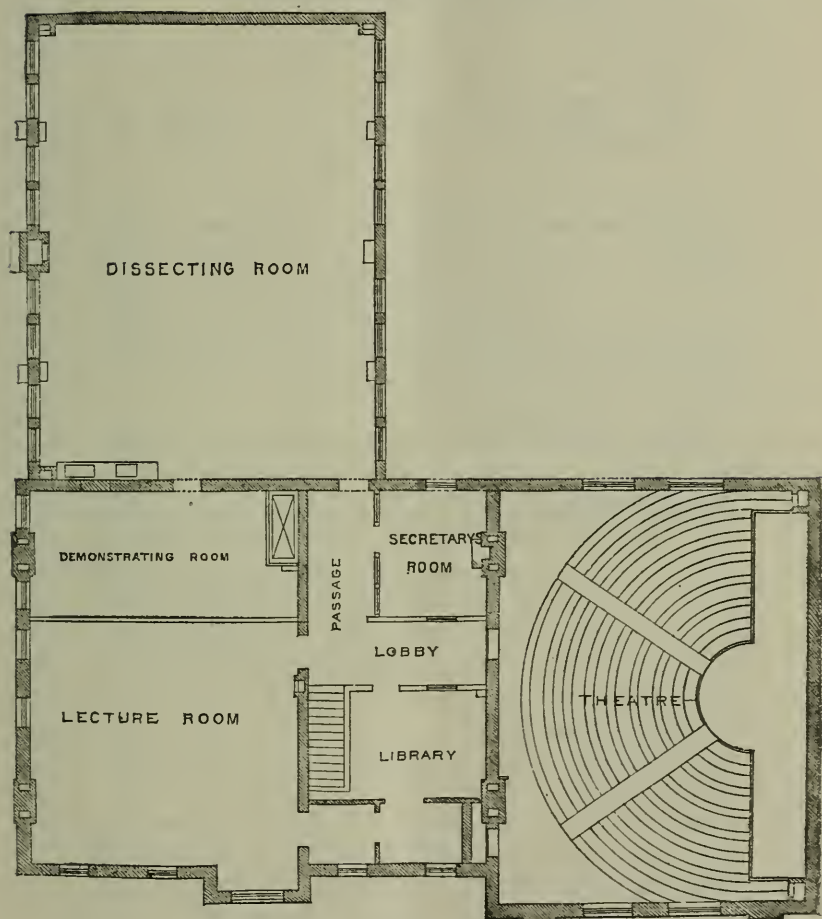
G. K. SHIRTON.

BUILDING OF MEDICAL FACULTY.



PLAN—GROUND FLOOR.

BUILDING OF MEDICAL FACULTY.



PLAN—SECOND FLOOR.

Fees connected with Examinations and the granting of Degrees :—

For Matriculation or Registration of Matricula- tion	\$5 00
For Annual Examination (each)	5 00
For admission <i>Ad eundem Statum</i>	6 00
For the degree of M. B. ...	20 00
For the degree of M. D.	20 00
For admission <i>Ad eundem Gradum</i>	20 00

Tickets of admission to any of the courses of lectures or practical instruction shall be issued by the Registrar of the University on payment of the fees for such courses, and the attendance of the students at such courses must be certified on the backs of such tickets by the Professors, Lecturers, Demonstrators, or Instructors, before such tickets shall be received by the Registrar as entitling the possessors to proceed to examination.

All fees shall be payable on or before the first of November of each year, and thereupon the secretary shall enroll as students of the Faculty all who have paid the prescribed fees.

Matriculated Students or Graduates in the Faculty of Arts, who have attended during the Arts course any course of lectures or of practical instruction of the character and duration required by the curriculum in Medicine, may obtain certified tickets for the same from the Registrar of the University on payment of the ordinary fees demanded for Students in Medicine.

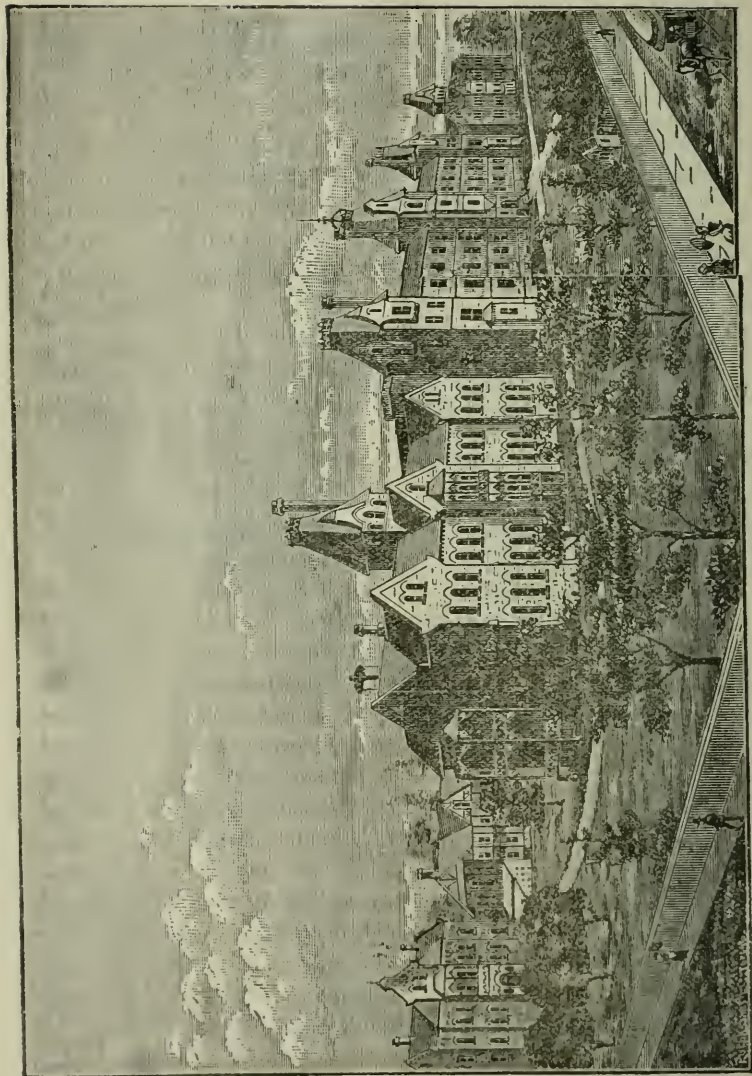
Matriculated Students or Graduates in Arts in the department of Natural Science who have taken honors in any examination in the Faculty of Arts which is or shall be held equivalent by the Senate to any of the examinations prescribed in the Medical Curriculum, may obtain tickets for the qualifying classes attended by them without the payment of the corresponding fees.

Certificates of attendance on such lectures or demonstrations shall only be given on the presentation of such tickets.

For further particulars apply to H. H. Langton, B.A., Registrar of the University of Toronto, or Adam H. Wright, B.A., M.D., Secretary of the Medical Faculty.

TEXT BOOKS.

- Anatomy*--Gray, \$6 Cloth, \$7 Leather ; Quain (2 vols.) \$12.
Practical Anatomy--Heath, \$4.50 ; Cunningham, \$6.
Physiology--Yeo, \$3 ; Foster, \$5 ; McKendrick, \$4 per vol. ; Landois, translated by Stirling, \$6.50.
Histology--Klein, \$1.50.
Practical Chemistry--Jones, 75cts.
Chemistry--Miller, \$1 ; Fownes, \$2.75 ; Uurtz, \$2.50.
Pharmacology and Therapeutics--Lauder Brunton, \$5.50 ; Bruce, \$1.50 Farquharson, \$2.25.
Surgery--Wyeth, \$7 ; Ashhurst, \$6 ; Erichsen, \$9 (2 vols.)
Medicine--Flint, \$5.50 ; Bristowe, \$5 ; Fagge (2 vols.) \$8 ; Strumpell, \$6.
Midwifery--Galabin, \$3 ; Playfair, \$4 ; Lusk, \$5.
Medical Jurisprudence--Husband, \$3.
Pathology--Ziegler, \$5.50 ; Payne, \$3.50 ; Green, \$2.50.
Clinical Medicine--Graham Brown's Manual of Medical Diagnosis, \$2.25 ; Loomis' Physical Diagnosis, \$3.
Gynaecology--Galabin, \$1.75 ; Edis, \$3 ; Hart & Barbour, \$7.
Hygiene--Manual of Hygiene for Normal Schools and Colleges, 50cts ; Wilson, \$2.75.
Dermatology--Duhring, \$6 ; Robinson, \$5, Von Harlingen, \$1.75.
Botany, Zoology--Huxley's Elementary Biology, \$2.65.
Physics--Gaut's Physics.
Ophthalmology--Nettleship, \$2.
Otology--McNaughten, Jones, Field.
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GENERAL HOSPITAL, TORONTO.

TORONTO GENERAL HOSPITAL.

BOARD OF TRUSTEES.

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GEO. GOODERHAM, ESQ., JOHN L. BLAKIE, ESQ., D. A. O'SULLIVAN,
ESQ., M.A., LL.D.

HIS WORSHIP THE MAYOR OF TORONTO

CHAS. O'REILLY, M.D., *Medical Superintendent.*

In 1817 a Minute in Council was passed ordering that certain lands in the town of York set apart in the early survey for the purposes of a General Hospital should be given in trust to certain parties to carry out the design of their allotment. The whole endowment was about 399 acres in different parts of the town. The sum of £4,000 was also given to the Hospital by the Loyal and Patriotic Society, which was formed at the close of the war of 1812-14 to provide for the widows and orphans of the slain.

The first hospital, built in 1819 at a cost of £3,000, was situated in the block bounded by King, John, Peter, and Adelaide streets. After the destruction of the Parliament Buildings in 1824 it was used for the ordinary purposes of the Government until 1826, when it was first opened for the reception of patients.

After using the old Hospital for more than 20 years it was decided to build a new one, and a portion of the present building was erected in 1854.

In the year 1875 the sum of \$16,000 was bequeathed to the Hospital by Mr. Erlandson, of Port Hope, and Mr. Gentle, of Montreal, and was expended on alterations for heating, draining, and the erection of suitable rooms for out-patients. In 1877 a large western extension, entirely isolated, was built through the liberality of the late Messrs. Cawthra, Gooderham, and Worts. In 1878 the Andrew

Mercer Eye and Ear Infirmary was built on the eastern side of the main building. In the same year (1878) the Burnside Lying-in Hospital was built on the north-west corner of the Hospital grounds. In 1882 the Pavilion was built from funds received by donation from Messrs. John Macdonald, Wm. Gooderham, and others. This building is completely isolated, and is used for abdominal sections.

The Hospital has now 350 beds, and during the present year the numbers of in-patients under treatment vary from 200 to 270. During the year ending June 30th, 1889, 2,637 patients were admitted, and large numbers of patients received treatment daily in the out-door department.

The Training School for Nurses was established in 1882, and all nurses coming into the Hospital are required to take the regular course of instruction given in the School, and to pass the regular examinations at the end of their first and second years.

All the patients in the Hospital are, as a rule, suffering from acute medical and surgical diseases: the chronic cases are generally sent to the Home for Incurables or House of Providence, and the Convalescent patients are sent to the new Convalescent Home, recently erected on Wells's Hill.

CLINICAL TEACHING.

Clinical instruction is given in the various departments of the Hospital in connection with all classes of patients. The out-patients receive their treatment in the two theatres in the presence of the students. Ordinary medical cases are examined by the attending physicians and some of the students, after which methods of treatment are explained. Surgical cases are examined in the same way. Minor operations are performed and suitable dressings applied. The same plan is carried out in the Andrew Mercer Infirmary in diseases of the eye, ear, and throat. Special out-door Clinics are given in Diseases of Women and Diseases of the Skin.

Regular clinical lectures are given daily over patients brought from the wards to the large theatre by the Professors

of clinical medicine and clinical surgery to the students of the third and fourth years.

A systematic course of bedside instruction is given to limited classes of students, several such classes being taken through the wards every day from Mondays to Fridays inclusive. Smaller classes of students receive gynæcological demonstrations on two days of each week. In the Burnside Lying-in-Hospital, in which there are over 200 births a year, students are allowed to witness and assist in the conduct of labors. Students are also allowed to make engagements with out-patients and attend them in confinements at their own homes.

Surgical operations are performed in the large theatre on Saturday afternoons, or in cases of emergency at any time during day or night when required. This theatre, which has been recently altered and enlarged, is capable of seating 500 students, and in the completeness of its arrangements is not excelled on this Continent. The facilities afforded the students situated in all parts of the room for witnessing operations in all their details are unusually good.

CLINICAL CLERKS AND SURGICAL DRESSERS.

Clinical clerks and surgical dressers are appointed to act for periods of three months each. They are required to take complete histories of cases allotted to them, and receive certificates for the same as required by the Ontario Medical Council. Post-mortem clerks are appointed, and are required to make complete reports of all autopsies made in the post-mortem room, which is situated in the Hospital grounds. Clinical clerks and surgical dressers are also appointed in the departments of Gynæcology, and Ophthalmology, and Othology.

RESIDENT ASSISTANTS IN THE HOSPITAL.

Six assistants are appointed annually, and hold their positions for one year. They will be selected from the graduates every spring. They will spend two months each in the Surgical Wards, Medical Wards, Burnside, and Eye

and Ear department, Gynæcological and Extern Departments, Wards for Infectious Diseases, and the Dispensary and *Post-mortem* Room.

OTHER MEDICAL CHARITIES.

While the students are expected to take full advantage of the complete course of clinical instruction thus imparted in the General Hospital, they have the opportunity of extending their facilities for receiving a practical training by visiting many of the other medical charities of Toronto. Among these are the Home for Incurables, the Hospital for Sick Children, the House of Providence, the Convalescent Home, the Toronto Dispensary, and the Boys' Home.

HOSPITAL FEES.

Toronto General Hospital :

Ticket for six months	\$ 8 00
Perpetual ticket.....	24 00

Burnside Lying-in Hospital :

Ticket for six months	\$8 00
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SUMMER SESSION, 1890.

The Summer Session of the Medical Faculty of the University of Toronto, for 1890, will commence on Monday April 28th.

It will be open to all Medical Students upon payment of the prescribed fee.

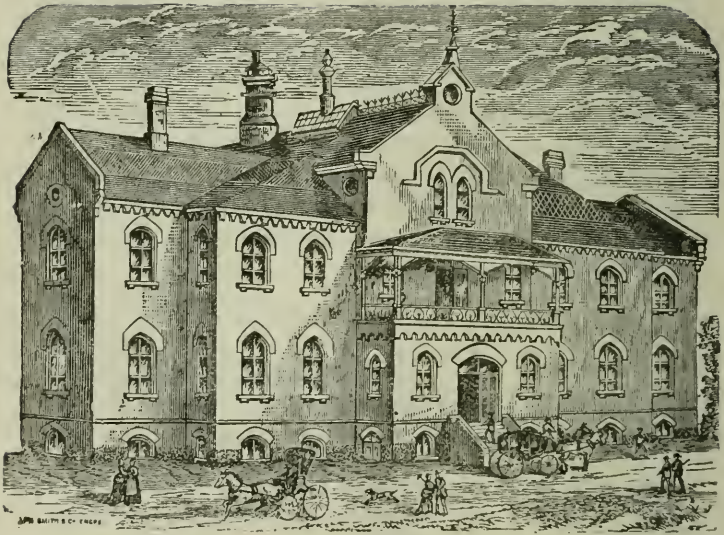
The course of instruction will be essentially practical, and will consist of Clinical teaching in the General Hospital and other charitable Institutions, and practical instructions in the University laboratories and lecture rooms.

The Clinical course will consist of outdoor, general and special Clinics, regular Clinical lectures and bedside instructions. Special subjects will be treated in a systematic way as far as the material in the Hospital can be utilized for such purposes.

The following practical courses will be given in the College :

- H. W. AIKINS.....OPERATIVE SURGERY. All the principal operations performed on the Cadaver.
- DR. JOHN FERGUSONDISEASES OF NERVOUS SYSTEM.
- DR. GEORGE A. PETERS..BANDAGING, SURGICAL APPLIANCES, INSTRUMENTS, &c.
- DR. O. R. AVISONPRESCRIPTION WRITING, with a view to the preparation of elegant and palatable mixtures.
- DR. G. H. BURNHAMDISEASES OF THE EYE AND EAR, commonly met with and treated by the General Practitioner.
- DR. McDONAGHLARYNGOSCOPY AND RHINOSCOPY. Practical instruction in the use of the Laryngoscope and Rhinoscope.
- DR. JOHN CAVEN.....PATHOLOGY, with special attention to Malformations, Examination of Urine, and the making of *post mortem* Examinations.
- DR. PRIMROSESURGICAL ANATOMY, MINOR SURGERY.
- DR. W. P. CAVENPHYSICAL DIAGNOSIS.

Further particulars as to the Hospital teaching with time table will be given hereafter.



BURNSIDE LYING-IN HOSPITAL.

REGULATIONS RELATING
TO THE
EXAMINATIONS AND GRANTING OF DEGREES.

DEGREE OF M. B.

There are two ordinary modes of proceeding to the Degree of M.B., viz., (1) by taking a Pass Course; or (2) by taking an Honor Course.

ENTRANCE.

Candidates for a Degree must pass the Matriculation Examination unless (1) they possess a Degree in Arts not being an Honorary Degree, from any Dominion or British University, or (2) have already matriculated in the Faculty of Arts or in the Faculty of Law in this University, or (3) have passed an examination entitling them to be registered as Matriculants in the College of Physicians and Surgeons of Ontario.

Before presenting themselves for Examination, Candidates must produce satisfactory certificates of good conduct, and of having completed the sixteenth year of their age.

The ordinary Annual Matriculation Examination (both Pass and Honors) will commence in the beginning of July.

Supplemental Examinations for Matriculation will be held in the latter part of September, at which those who were rejected at the June Examinations, as well as new Candidates, may offer themselves; but no Honors or Scholarships will be awarded at such Supplemental Examination.

The Fee for Matriculation is Five Dollars, and must be paid to the Registrar at the time the Candidate first gives notice of intention to present himself for any examination in this Faculty, viz., at least three weeks before the date of commencement of Examination. The Fee for registration of exemption from the Matriculation Examination is Five Dollars.

Candidates may delay presenting themselves for the Matriculation Examination until any time before the Final Examination for the Degree of M.B.; but no Candidate will be allowed to compete for relative standing, prizes, or scholarships, until he has passed the Matriculation Examination.

Candidates on giving notice of intention to present themselves are required to signify whether they propose taking the Pass or Honor Examination. Scholarships are only awarded in connection with the latter.

Candidates are recommended to take the Junior Matriculation Examination in Arts, or the Second Class Non-Professional Examination, with Latin option compulsory, as required by the College of Physicians and Surgeons of Ontario.

No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

Subjects of Examination.

JUNIOR MATRICULATION IN ARTS.

PASS EXAMINATION.

CLASSICS.

1889	{	XENOPHON, Anabasis, II.	{	CICERO, in Catilinam, I.
		HOMER, Iliad, IV.		VIRGIL, Æneid, V.
1890	{	XENOPHON, Anabasis, II.	{	CÆSAR, B. G., I., 1-33.
				CICERO, in Catilinam, II.
				VIRGIL, Æneid, V.
		HOMER, Iliad, IV.		CÆSAR, Bellum Britannicum.

Translation from English into Latin Prose, involving a knowledge of the first forty exercises in Bradley's Arnold's Composition, and re-translation of simple passages.

Paper on Latin Grammar, on which special stress will be laid.

N.B.—French and German (see next page) may be taken instead of Greek.

MATHEMATICS.

Arithmetic.

Algebra, to the end of Quadratic Equations.

EUCLID, Bk. I., II., III.

ENGLISH.

Critical Reading of Selected Poems :

1889 SCOTT, Lay of the Last Minstrel.

1890 BYRON, Prisoner of Chillon, and Childe Harold's Pilgrimage, from Stanza 73 of Canto II. to Stanza 51 of Canto III., inclusive.

A Paper on Grammar.

Composition :—The Examiner will allow a choice of subjects, the themes for composition being based on the following selections, with the substance of which the Candidates will be expected to have a general acquaintance :

1889. Selections from GOLDSMITH'S Essays — Citizen of the World, Preface and Nos. 13, 14, 23, *25, 26, 30, 36, 37, 49, 50, 55, 60.

1890. Selections from ADDISON'S Essays—Spectator. Nos. 21, 23, 26, 47, 50, 69, 93, 115, 159, 162, 169, 195, 225, 381, 387, 458, 483, 574, 583, 593.

HISTORY AND GEOGRAPHY.

*English History from William III. to George III., inclusive.

Roman History from the commencement of the Second Punic War to the death of Augustus.

Greek History from the Persian to the Peloponnesian Wars, both inclusive.

Ancient Geography : Greece, Italy, and Asia Minor.

Modern Geography : North America and Europe.

*This subject to be understood as embracing Colonial History.

Optional Subjects.

FRENCH.

1889 LAMARTINE, Christophe Colomb.

1890 SOUVESTRE, Un Philosophe sous les Toits.

A paper on Grammar.

Translation of easy passages from English into French.

GERMAN.

1889 { HAUFF, Das Kalte Herz (from Das Wirtshaus im Spessart—
Pitt Press Series).

{ SCHILLER, Der Gang nach dem Eisenhammer.

1890 { GRIMM, Kinder-und Haus-Märchen (Williamson & Co.'s
edition).

{ SCHILLER, Der Taucher.

A paper on Grammar.

Translation of easy sentences from English into German.

PHYSICS.

Definitions of Velocity, Acceleration, Mass, Momentum, Force, Moment, Couple, Energy, Work, Centre of Inertia; Statement of Newton's Laws of Motion; Composition and Resolution of Forces; Conditions for Equilibrium of Forces in one Plane.

Definition of a Fluid, Fluid Pressure at a Point, Transmission of Fluid Pressure, Resultant Fluid Pressure, Specific Gravity, Boyle's Law, the Barometer, Air Pump, Water Pump, Siphon.

Only definitions and statement of principles, with easy illustrations, will be required.

CHEMISTRY.

Elementary Inorganic Chemistry.

This Examination will be limited to the Chemistry of the Elements—Hydrogen, Chlorine, Bromine, Iodine, Fluorine, Oxygen, Sulphur, Nitrogen, Phosphorus, Arsenic, Carbon, Boron, Silicon, and their characteristic compounds, including the laws of combination of the elements, and the meaning and use of the theory of "the Molecular and Atomic Structure of Matter."

BOTANY.

Elements of Structure and Classification of Canadian Flowering Plants.

HONOR EXAMINATION.

CLASSICS.

- | | | |
|-------|------------------------------------|----------------------|
| 1889. | { DEMOSTHENES, Philippics, I., II. | { HORACE, Odes, III. |
| | { HOMER, Odyssey, VI. | { LIVY, XXIII. |
| 1890. | { DEMOSTHENES, Philippics, I., II. | { HORACE, Odes, I. |
| | { HOMER, Odyssey VII. | { LIVY, XXIII. |

Translation from Latin and Greek Authors not specified.

Translation from English into Latin Prose.

A Paper on Greek Grammar, including the translation of easy sentences based on the first 30 exercises of Arnold's Greek Prose Composition.

An optional Examination will be held for translation from English into Latin Verse, for which a prize of \$15 may be given on the recommendation of the Examiners, but the marks awarded will not be taken into account for Honors or Scholarships.

MATHEMATICS.

Plane Trigonometry. (The solution of Triangles.)

Algebra, to the end of Binomial Theorem.

Euclid, Bb. IV., VI., and Definitions of B. V.

ENGLISH.

Critical Reading of one of Shakespeare's Plays.

1889. As You Like It.

1890. Coriolanus.

FRENCH.

1889. SCRIBE, LeVerre d'Eau.

1890. SCRIBE, Bertrand et Raton.

Translation of unspecified passages from easy French Authors.

Translation from English into French.

Writing easy French from Dictation.

GERMAN.

- | | |
|-------|--|
| 1889. | { SCHILLER, Belagerung von Antwerpen (Clarendon Press Series). |
| | { SCHILLER, Die Kraniche des Ibycus. |
| 1890. | { SCHILLER, Egmont's Leben und Tod (Clarendon Press Series). |
| | { SCHILLER, Das Lied von der Glocke, and Hero und Leander. |

Translation of unspecified passages from easy German Authors.

Translation of easy passages from English into German.

Writing easy German from Dictation.

HISTORY AND GEOGRAPHY.

English History under the Houses of Tudor and Stuart.

Geography of the British Empire, including the Colonies.

Candidates for Matriculation may not compete for Honors or Scholarships in two Faculties. Those who have matriculated in a Faculty may not compete for Honors or Scholarships at a subsequent Matriculation Examination in another Faculty.

First year standing will be allowed to those who present certificates of being matriculants in the College of Physicians and Surgeons of Ontario. The fee for such admission is \$5.

REGULATIONS RELATING TO UNDERGRADUATES.

Undergraduates are required to attend Lectures, and receive practical instruction during each of four years, at one or other of the Schools of Medicine recognized for this purpose by the University. The certificates of attendance upon Lectures must mention the precise number of Lectures given in each course, and must certify the attendance of the Candidates at two-thirds of these at least. The Certificates of Practical Instruction must certify that the Candidate has diligently pursued the studies in question for the whole or the time required, and these must be signed by the teachers in the immediate charge of the laboratories where the instruction was obtained.

Each Undergraduate, at the end of each of the four years of his course, is required to present himself at the annual examination of that particular year, except in the case of those who elect to take a Primary and Final Examination; and those so electing will not be allowed to compete for honors or scholarships.

The Annual Examinations are styled the First, Second, Third, and Fourth Examination, and are to be passed in separate years in the order named. But Candidates may,

under special circumstances, be allowed to present themselves at the Examination for M.B., or at any of the Intermediate Examinations, without having passed the preceding Examination or Examinations in the University.

Undergraduates below the standing of the Fourth Year, who have been rejected, or who have been prevented from attending the Annual Examinations by sickness, domestic affliction, or other causes beyond their control, may present themselves for examination in September, at the Supplemental Examination. Candidates of any year, who have passed a creditable Examination in the majority of the subjects required, may present themselves at the Supplemental Examinations next ensuing, in the subjects in which they failed, and upon passing at such Examinations shall be allowed their year. Candidates who failed to attend at the Annual Examinations must prove to the satisfaction of the Vice-Chancellor, before presenting themselves in September, the existence and sufficiency of the alleged cause of absence. Candidates who were rejected must pay a fee of ten dollars, and those who did not attend, a fee of five dollars, before offering themselves for the Supplemental Examinations.

Graduates in Arts of the University may enter at the Second Examination, but will be required to take such subjects of the First Examination as they have not taken in their Arts Course, though in these subjects they shall not be required to take an Honor standing. (For list of equivalent examinations see page 51.)

Undergraduates who elect to take the Primary and Final Examinations, may take the Primary at the end of the second or third year, and the Final at the end of the fourth year of their course. Graduates in Arts who elect to take the Primary and Final Examinations may take the Primary at the end of the second year, and the Final at the end of the third year of their course.

No Candidate will be allowed to pass any of the Examinations who has not obtained at least one half of the marks allotted to such Examination. Nor will a Candidate be considered as having passed in any individual subject who

has not obtained at least one-third of the marks allotted to such subject.

The fee for each Examination is five dollars, payable when the Candidate notifies the Registrar of his intention to present himself.

Notice will be given annually, in January, of the days on which the Examinations for the year will commence. Every Undergraduate who proposes to present himself at an Examination must send in to the Registrar a statement (according to a printed form which will be furnished) of the course he is taking, whether Pass or Honor, of the Lectures he has attended, and one of the practical instruction he has received, with the names of the Teachers, and such other particulars as the printed form may indicate, together with the original certificates referred to in this statement.

Certificates required for the different Examinations :—

First Examination—

- (1) Of having attended Lectures on the following subjects :

(a) Anatomy, a course of at least 100 Lectures.

(b) Physiology, “ “ 60 “

*(c) Inorganic Chemistry, “ “ 60 “

*(d) Natural Philosophy, “ “ 20 “

*(e) Biology (including Botany and Zoology), a course of at least 30 Lectures.

(f) Materia Medica, a course of at least 40 Lectures.

- (2) Of the foregoing Lectures marked * at least one-third must be of the nature of practical lessons involving laboratory practice on the part of the student, and this must be attested to on the same or a separate certificate.

- (3) Of practical instructions in Anatomy during six months.

Second Examination—

- (1) Of having attended Lectures on the following subjects :

(a) Anatomy.

(b) Physiology.

(c) Materia Medica

and Therapeutics,

} Each a course of at least 100
Lectures.

(d) Organic Chemistry, a course of at least 40 Lectures.

- (2) Of practical instruction in—

(a) Anatomy, a second course of 6 months.

(b) Histology,

(c) Chemistry applied to Medicine,

} Each during at least
3 months.

- (3) Of having dissected the parts of the Human Body once.

Third Examination—

- (1) Of having attended Lectures on the following subjects :

(a) Practice of Medicine,	}	During courses of 100 Lectures each.
(b) Surgery,		
(c) Obstetrics,		
(d) Clinical Surgery and Medicine,	}	Each a course of at least 50 Lectures.
(e) Medical Jurisprudence,		
(f) Therapeutics,		
- (2) Of having dissected the parts of the Human Body a second time.
- (3) Of practical instruction in Pathological Histology during at least 3 months.

Fourth Examination—

- (1) Of having attended Lectures on—

(a) Practice of Medicine and Medical Pathology, a course of 50 Lectures.
(b) Surgery and Surgical Pathology, a course of 50 Lectures
(c) Obstetrics and Gynæcology, “ 25 “
(d) Clinical Medicine and Surgery, a further course of 50 “
(e) Forensic Medicine, a course of 50 Lectures.
(f) Hygiene, “ 25 “
(g) Medical Psychology, “ 12 “
- (2) Of having attended at least 6 Clinics in a public Lunatic Asylum.
- (3) Of having conducted at least 6 Labors. } Certificates received from any registered Practitioner.
- (4) Of Proficiency in Vaccination. }
- (5) Of attendance for eighteen months in the Wards of a Public Hospital having not less than 100 Beds.
- (6) Of attendance for six months on the Out-practice of a Hospital, Dispensary, or registered Practitioner.
- (7) Of having attended 12 Autopsies.
- (8) Of being skilled in compounding and dispensing drugs, having been engaged for a period of at least three months in such work, and shall set forth that the Candidate has been engaged for a period of at least three months in such work.

(This certificate may be from a registered Practitioner, the Apothecary of a Public Hospital, or of a Public Dispensary, or from a Member of the Pharmaceutical Societies of Ontario or Quebec).

PRIMARY AND FINAL EXAMINATIONS

The Certificates required for the Primary Examinations are the same as those required for First and Second Examinations. The Certificates required for the Final Examinations are the same as those required for the Third and Fourth Examinations.

ANNUAL EXAMINATIONS.

Candidates taking Honors will be entitled to First Class Honors if they obtain seventy-five per cent. of the aggregate marks allotted to such Examinations. Those who obtain sixty per cent. of the aggregate marks will be entitled to Second Class Honors.

Extra papers on all the Pass Subjects will be set for Honor Candidates.

Candidates who proceed to the degree of M.B., by taking the Honor Course will be grouped in two classes according to their success in the Honor Examinations. Only those Candidates will receive their Degree with First-Class Honors who have obtained First Class Honors in the Second, Third, and Fourth Examinations. Those Candidates will receive their Degree with Second Class Honors who have been placed in the Honor List in the Second, Third, and Fourth Examinations.

Undergraduates who have taken the First and Second Examinations may transfer to the Primary and Final Course the First and Second Examinations being considered equivalent to the Primary.

In addition to the mode heretofore provided whereby Candidates may proceed to the Degree of M.B., Candidates may, under special circumstances, and on the recommendation of the Committee on the Faculty of Medicine, be allowed to present themselves for Examination for such Degree on any Intermediate Examination.

The Committee shall have power to allow any applicant desirous of presenting himself for any of the Examinations in the Faculty of Medicine (except the Final Examination), any Examination which he may have passed in any other

University or School of Medicine, upon production of proper certificates showing his standing in such University or School of Medicine.

No Undergraduate in the Honor Course, who shall have degraded into a lower year, shall be permitted, at the next ensuing Examination, to compete for Medals, Scholarships, or relative standing, except by special permission of the Senate, to be granted only in case of illness, or for other grave reasons.

SUBJECTS OF THE DIFFERENT EXAMINATIONS.

FIRST EXAMINATION.

- (1) Elements of Anatomy.
- (2) Elements of Human Physiology.
- (3) Elements of Inorganic Chemistry.
- (4) Elements of Natural Philosophy. Electricity. Heat and Light.
- (5) Biology, (including Botany and Zoology).

SECOND EXAMINATION.

- (1) Chemistry applied to Medicine.
- (2) Elements of Organic Chemistry.
- (3) Anatomy.
- (4) Physiology.
- (5) Materia Medica.
- (6) Normal Histology.

THIRD EXAMINATION.

- (1) Practice of Medicine.
- (2) Surgery and Surgical Anatomy.
- (3) General Pathology, including Morbid Anatomy and the mode of conducting Autopsies.
- (4) Obstetrics and Diseases of Women and Children.
- (5) Clinical Examinations in Medicine and Surgery.
- (6) Therapeutics.

FOURTH EXAMINATION.

- (1) Practice of Medicine.
- (2) Surgery.
- (3) Obstetrics and Diseases of Women and Children.
- (4) Forensic Medicine.
- (5) Hygiene.
- (6) Medical Psychology.
- (7) Clinical Examinations in Medicine and Surgery.

PRIMARY EXAMINATION.

- (1) Anatomy.
- (2) Physiology.
- (3) Materia Medica.
- (4) Chemistry (Inorganic, Organic, and Chemistry applied to Medicine).
- (5) Biology.
- (6) Normal Histology.

FINAL EXAMINATION.

- (1) Practice of Medicine.
- (2) Clinical Medicine.
- (3) Surgery and Surgical Anatomy.
- (4) Clinical Surgery.
- (5) Obstetrics and Diseases of Women and Children.
- (6) Therapeutics.
- (7) Medical Jurisprudence.
- (8) Pathological Histology.
- (9) Hygiene.
- (10) Medical Psychology.

In Anatomy, Normal Histology, General Pathology, and Chemistry, Examinations of a specially practical character will be given in addition to the written Examinations. In the practical Examination in Anatomy the Cadaver will be used.

EQUIVALENT EXAMINATIONS.

Courses of Lectures and Examinations in the Faculty of Arts, in the Department of Natural Sciences, are accepted in the place of Courses of Lectures and Examinations in the Faculty of Medicine, according to the following scheme :—

FACULTY OF ARTS.

1. Honor Course and Examination in Second Year { Course and Examination in First Year Physiology, and First Year and Primary Botany and Zoology. Equivalent to }
2. Honor Course and Examination in Second Year { Course and Examination in First Year and Primary Chemistry, and Pass Physics of the Honor Course { Inorganic Chemistry and Natural Philosophy. Equivalent to }
3. Honor Course and Examination in Third Year { Course and Examination in Second Year Chemistry (with the exception of Chemistry applied to Medicine). Equivalent to }
4. Honor Course and Examination in Fourth Year { Course and Examination in Second Year and Primary Physiology and Normal Histology. Equivalent to }
5. Attendance at the Honor Course in the Fourth Year Physiological Chemistry, in the Faculty of Arts, is equivalent to Attendance at the Course of Chemistry Applied to Medicine of the Second Year, in the Faculty of Medicine ; but the Examination in the latter Subjects must be taken.

N.B.—Candidates who desire to compete for Scholarships and Medals are required to submit to the Annual Examinations in all the subjects of each Examination, though otherwise entitled to partial exemption according to the preceding scheme ; and Candidates not competing for Scholarships and Medals, who are entitled to exemption according to the preceding scheme, will hold the same rank in Honors in these subjects as they obtained in the Equivalent Examinations in Arts.

FACULTY OF MEDICINE.

DEGREE OF M.D.

The following are the requisites for admission to the Degree of M.D., viz:—Having been admitted to the Degree of M.B., being of one year's standing from admission to the Degree of M.B., and having composed an approved Thesis upon some Medical Subject.

The writing of a Thesis shall not be required of any Candidate for the Degree of M.D., provided that he shall have been engaged in the practice of Medicine for a period of three years; and any time spent in the Post-Graduate Course at any British, Foreign, or Canadian University shall be regarded as equivalent to time spent in the practice of Medicine.

DEGREES "AD EUNDEM."

A Graduate of any of the Universities in Great Britain or Ireland, if his Degree be not an honorary one, may be admitted to the like Degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the Session of the Senate at which this application is to be brought forward. A Graduate in Medicine of any University in Canada, residing in Canada, if his Degree be not an Honorary one, may be admitted to a like Degree in the University of Toronto, if he has taken such a Post-Graduate or other course after receiving his Degree as the Senate shall approve of, or has been engaged in active practice, for a period of not less than ten years.

FEEES FOR DEGREES.

For the Degree of M. B.....	Twenty Dollars.
For the Degree of M. D.....	Twenty Dollars.
For admission <i>ad eundem gradum</i>	Twenty Dollars.

SCHOLARSHIPS.

The following Scholarships are annually offered for competition amongst Students who attend the Lectures of the University Medical Faculty .

At First Professional Examination	one of \$50
“ “	one of \$30
At Second Professional Examination.....	one of \$50
“ “	one of \$30
At Third Professional Examination.....	one of \$50
“ “	one of \$30

Every Student taking a Scholarship is required to sign a declaration that it is his intention to pursue his Medical studies for one, two, three, or four years, according to the year in which he has taken such Scholarship, and to proceed to a Degree in the University of Toronto, and that he is not an Undergraduate or Graduate in the Faculty of Medicine of any other University.

No Scholarship will be awarded to any Candidate who has not obtained First Class Honors in the Examination for which it is conferred.

Each Scholarship is tenable for one year only, but a Scholar of one year is eligible for the Scholarship of a succeeding year.

The Scholarships or Medals are not open to those who are at the same time Undergraduates or Graduates in Medicine of another University.

MEDALS, PRIZES, AND CERTIFICATES OF HONOR.

A gold medal and three silver medals are offered annually for competition among those Students of the Medical Faculty who have succeeded in obtaining the degree of M.B., with First Class Honors, and will be awarded according to the percentage of marks in the aggregate results of the Second, Third, and Fourth Examinations : but the gold medal will only be awarded on the special recommendation of the Examiners.

Certificates of Honor will be given those Students, who, at any of the Examinations, have been placed in the First or Second Class in Honors in any Department. The fee for such Certificate is one dollar.

STARR MEDALS.

The late Richard Noble Starr, M.D., devised certain property for the encouragement of the study of the subjects of Anatomy; Physiology, and Pathology. In fulfilment of this object the Senate have established one Gold and two Silver Medals, called the "Starr Medals." These Medals are awarded annually at the University commencement in June, and are conferred upon the three Bachelors of Medicine who have attained, in the course of their Annual Professional Examination, the highest marks in the above subjects: the relative rank of each Candidate being determined by the aggregate number of his marks in all his Examinations, written and practical, pertaining to these, viz.:

The Examinations in Anatomy for the first and second years, and in Surgical Anatomy of the Third Year.

The Examinations in Physiology, Histology, Physiological Chemistry, and Practical Physiology of the second year.

The Examination in General Pathology and in Morbid Anatomy and Histology of the third year.

Every recipient of the Medal must have attained the standing of First Class in each of the above-mentioned subjects, and must have been classed in Honors in the Fourth Examination.

In awarding the Medals and Scholarships the comparative value of the several subjects is to be estimated according to the following schedule:

FIRST EXAMINATION.

1. Anatomy: Bones, Muscles, Ligaments, and Viscera of Abdomen and Thorax.....	200
2. Elementary Physiology.....	150
3. Inorganic Chemistry, 120; Natural Philosophy, 30..	150
4. Botany, 40; Zoology and Comparative Anatomy, 60.	100

600

SECOND EXAMINATION.

1. Anatomy	300
2. Physiology	200
3. Histology	50
4. Materia Medica	170
5. Organic Chemistry 80 }	120
6. Physiological " 40 }	
	<hr/> 840

THIRD EXAMINATION.

1. Medicine, including Clinical Examination.....	200
2. Surgery, " " " and Surgical Anatomy	250
3. Obstetrics	150
4. Therapeutics	100
5. General Pathology, and Pathological Histology	100
	<hr/> 800

FOURTH EXAMINATION.

1. Medicine, including Clinical Examination.....	250
2. Surgery, " " "	250
3. Obstetrics	150
4. Forensic Medicine	100
5. Sanitary Science	50
6. Medical Psychology	25
	<hr/> 825

FIRST EXAMINATION AND PRIMARY.

1889.

CHEMISTRY.

PASS AND HONORS.

Examiner: A. MCGILL, B.A., B.Sc.

1. (a) Describe methods of working in the determination of the specific gravities of gases.

(b) An oxide of arsenic contains 75.76 per cent. of arsenic. The vapor density of the oxide is 198 (referred to hydrogen). Find its molecular formula.

2. Write an account of the chemistry of one of the following: iodine, silicon.

3. Describe and explain by equations the changes taking place when:

(a) A solution of potassium bichromate is treated with solution of caustic soda.

(b) Barium sulphate is fused with caustic soda, and the fused mass treated with hot water.

(c) Nitrate of potash, carbonate of soda, and sulphide of iron are fused together, and the fused mass extracted with hydrochloric acid.

(d) Yellow phosphorus and caustic potash solution are boiled together.

4. How would you proceed to form the following per-oxides, either as such, or in solution:

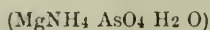
(a) $H_2 O_2$ per-oxide of Hydrogen.

(b) $N_2 O_4$ " " Nitrogen.

(c) PbO_2 " " Lead.

(d) $Cr_2 O_2$ " " Chromium.

* 5. 0.6347 gram of a sulphide of tellurium and arsenic gave on analysis 0.2584 gram tellurium, 0.3978 gram ammonio-magnesium arsenate



and 1.6453 gram barium sulphate. Calculate a formula.

* 6. Give an account of the chemistry of the metals of the copper group.

* For Honors.

FIRST EXAMINATION AND PRIMARY.

PHYSIOLOGY.

Examiner: A. B. MACALLUM, B.A., PH.D.

1. Describe the functional characteristics of the different varieties of blood vessels.
2. Describe the changes which the blood and the air undergo in the physiologically active lung.
3. What are the functions of the pancreas.
4. Describe the heart sounds, and discuss their causes.
5. Discuss the income and expenditure of heat in the body.

FIRST EXAMINATION AND PRIMARY.

BIOLOGY.

PASS AND HONORS.

Examiner: J. J. MACKENZIE, B.A.

NOTE—Honor Candidates must take the whole paper, Pass Candidates any five questions.

1. Outline the blood circulation of the frog, and compare it with that of man.
2. Sketch the life history of a Distome. Mention a parallel case of heterœcism from the vegetable kingdom.
3. Describe accurately the alimentary canal of the crayfish.
4. Give a description of the excretory system of the fresh water mussel.
5. Give a description of the life history of a common mould (*Aspergillus*). In what way does the nutrition of a mould differ from that of a green plant, and how do they both differ from an animal?
6. Give the principles upon which the classification of the phanerogams rests.

FIRST EXAMINATION AND PRIMARY.

ANATOMY.

Examiner: M. H. AIKINS, B.A., M.D., M.R.C.S., Eng.

1. Describe the anterior surface of the scapula.
2. Describe the general characters of a vertebra.
3. Describe the rectus abdominis, and the formation of its sheath.
4. Describe the trapezius.
5. Describe the ligaments of the hip joint.

FIRST EXAMINATION.

PHYSIOLOGY.

HONORS.

Examiner: A. B. MACALLUM, B.A., PH.D.

1. Describe the various forms and functions assumed by the epithelial cells of the adult body.
 2. In what way may changes in the curvature of the lens during accommodation be detected?
 3. Describe the mode of formation, and the function of the amnion, and allantois.
 4. Describe the mechanism of absorption in the intestinal canal, and the conditions that facilitate it.
 5. What are the functions of the gray and white matter in the central nervous system?
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FIRST EXAMINATION.

BIOLOGY.

HONORS.

Examiner: J. J. MACKENZIE, B.A.

1. Compare the skeleton of the shoulder girdle and anterior limb with that of the pelvic girdle and posterior limb of the frog, indicating the parts which are homologous.
 2. Give a description of the urogenital organs of the frog.
 3. Indicate the morphological differences between a gill and a lung. Compare from a morphological standpoint the gill of the cray fish with that of the mussel.
 4. Give a description of the size, structure, and first stages of development of the egg in different vertebrate groups. Mention the provisions made for the nutrition of the embryo.
 5. Describe the minute anatomy of a leaf, and show how the structure is related to the nutritive processes.
 6. What are the chief forms which Bacteria assume? Describe their methods of reproduction, and mode of life.
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FIRST EXAMINATION.

ANATOMY.

HONORS.

Examiner: M. H. AIKINS, B.A., M.D., M.R.C.S., Eng.

1. Describe the coracoid process of the scapula.
2. Describe the inferior extremity of the radius.
3. Describe the inferior calcaneo-scaphoid ligament, and state in what way the head of the astragalus is supported below, and internally.
4. Name the muscles inserted into the femur above the level of the trochanter minor, and give the exact points of their attachment thereto.
5. Describe the gluteus maximus, and give its relations.
6. Describe the right side of the heart.

SECOND EXAMINATION AND PRIMARY.

ORGANIC CHEMISTRY.

PASS AND HONORS.

Examiner: A. MCGILL, B.A., B.Sc.

* Honors.

1. Describe the qualitative tests for sulphur in organic bodies.

A substance, which has the following percentage composition :

Carbon	44.24
Hydrogen	8.32
Oxygen	14.75
Chlorine.....	32.69

gives a vapor density between 4 and 3.6 (air=1.)

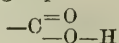
Hence calculate a formula.

2. What meaning do you assign to the term "isomerism?" What is the explanation given by Chemists for the existence of isomeric bodies?

3. Write formulæ for the substances denoted by the following names: Methyl-iso-propyl-carbinol, Methyl-iso-propyl-amine, Methyl-iso-propyl-ketone.

4. The following are said to exhibit alcoholic properties: Ethyl alcohol, Glycol, Glycerol, Glucose, Cellulose. What do you understand by this statement?

5. The organic acids (butyric acid for example) are said to owe their acid properties to the group of atoms

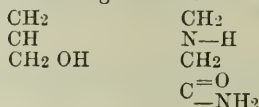


Upon what facts is the statement based, and what properties are denoted by this group.

*6. Upon what properties is the division of Organic Chemistry into the chemistry of the "aromatic," and "fatty" series based?

Compare the behaviour of the aromatic alcohols or phenols with that of the alcohols in question four.

*7. What properties would you expect to find in compounds denoted by each of the following formulæ.



SECOND EXAMINATION AND PRIMARY.

HISTOLOGY—PRACTICAL.

PASS AND HONORS.

Examiner: A. B. MACALLUM, B.A., PH.D.

1. Study the slide preparations laid before you. Make careful drawings of the distinctive parts in each, and indicate on your drawings the noted points. No written descriptions of the sections are required.

Determine from what organs the preparations were made.

SECOND EXAMINATION AND PRIMARY.

PHYSIOLOGY.

Examiner: A. B. MACALLUM, B.A., PH.D.

NOTE—Pass candidates will answer the first four questions, and either the fifth or the sixth.

1. Describe the processes connected with the absorption of fats and carbohydrates. What is the origin of the fats of the body? State the reasons for your answer to this question.

2. What effects have the movements of respiration on the circulation of blood and blood-pressure? Discuss the origin of the undulations on a Sphygmogram.

3. Describe the innervation of the heart. Give a description of the ligature and clamp experiments of Stannius and Gaskell on the frog's heart. Compare and contrast the results obtained with the heart by stimulating the vagus in a frog, and in a mammal.

4. Trace the path by which a motor impulse passes from the cerebral cortex to the right arm.
5. Describe the reflex mechanism concerned in the act of swallowing.
6. Describe the methods by which the excitability of a nerve-muscle preparation may be increased or diminished.

SECOND EXAMINATION AND PRIMARY.

HISTOLOGY.

PASS AND HONORS.

Examiner : A. B. MACALLUM, B.A., PH. D.

NOTE.—Pass candidates will answer the first five questions only.

1. Give a general description of the relation of the Lymphatic Channels to the tissue structures.
2. Describe the structure of the Œsophagus.
3. Explain the structure of a typical animal cell as seen both in the resting stage and in division.
4. Describe the different varieties of Cartilage, and state in what organs examples of each may be found.
5. Give a description of the structure of the Spleen.
6. Describe fully the structure of the small Intestine.
7. Describe the changes which occur in the wall of an artery as it terminates in arterioles and capillaries.

SECOND EXAMINATION AND PRIMARY.

MATERIA MEDICA.

Examiner : O. R. AVISON, M.D.

1. What is the difference between prepared Chalk and Precipitated Chalk.
Which would you prescribe for diarrhoea?
2. What is the composition of Seidlitz Powders?
How would you direct a patient to take them?
3. What is Pepsin?
What is the official standard of strength?
What vegetable substance may be used in its place?
How does Extract Pancreatis differ from Pepsin?
4. What drug is obtained from the Willow tree?
Describe its physical character, and state dose.
Into what acid can it be converted? How?
What salt of this acid is commonly used, and in what doses?

5. From what species of *Cinchona* are the Pharmaceutical preparations to be made? and what should be the alkaloidal strength of this bark?

Name the chief *Cinchona* alkaloids. Which of their salts are official? State the approximate solubility of these salts in water, and say how you would ensure the solution of the less soluble ones in an ordinary mixture.

6. *Nitroglycerine*.—How prepared? Describe it. State dose. Describe two or three methods of administering it.

SECOND EXAMINATION AND PRIMARY.

ANATOMY.

Examiner. M. H. AIKINS, B.A., M.D., M.R.C.S., Eng.

1. Describe the superior surface of the body, and the greater wings of the sphenoid bone.

2. Describe the speno-maxillary fossa. State the fissures terminating in it, fossæ with which it communicates, and the foramina which open into it.

3. Describe Scarpa's triangle, and give the position of the contained parts.

4. Describe the formation of the lumbar plexus; name its branches, and trace the course, and give the distribution and branches of the internal saphenous nerve.

4. Describe the vascular supply to the stomach.

6. Describe the urinary bladder in the male.

SECOND EXAMINATION.

HISTOLOGY.

HONORS.

Examiner: A. B. MACALLUM, B.A., PH.D.

1. Describe the structure of the spinal ganglia.

2. Explain the structure of the iris and cornea.

3. Give the distinctive points in the histology of the optic nerve.

4. Describe the structure of the suprarenal organs.

5. Describe the structure of the tongue in the region of the circumvallate papillæ.

6. Give a full description of the structure of bone marrow.

7. Explain the process of Spermatogenesis.

SECOND EXAMINATION.

PHYSIOLOGY.

HONORS.

Examiner: A. B. MACALLUM, B.A., PH.

1. Describe an exact experiment showing the existence of Vaso-motor Nerves. Describe the position of the Vaso motor centre, and explain the results obtained after slight or partial injury of this centre. Explain the effects of stimulation of the Depressor Nerve.

2. What reasons are usually given for supposing that the contraction of the heart is not Tetanic?

3. Describe the Chemical and Physiological properties of Hæmoglobin, and, so far as known, its fate.

5. Indicate the boundaries of that portion of the Cerebral Cortex which is regarded as the visual centre. Discuss the evidence for the localization of this function.

5. What are the mechanisms concerned in the maintenance of uniform temperature?

6. What functional changes do the gill-clefts of the mammalian embryo undergo?

SECOND EXAMINATION.

MATERIA MEDICA.

HONORS.

Examiner: O. R. AVISON, M.D.

1. *Chloroform*. How would you ascertain its fitness for inhalation?

What difference is there in it when prepared from Methylated Spirits, instead of from the Rectified Spirits of the Pharmacopœia?

2. *Phosphorus*. Describe it. State dose. Give two or more practical methods of administering it.

3. *Nux Vomica*. What part of plant is used? Describe the drug.

Name its chief active medicinal constituent. What provision is made to secure a definite alkaloidal strength of the tincture? If not certain that this provision has been made, what other liquid preparation may be used which is of definite strength? Give strength and dose of this preparation, and of the above tincture.

4. Explain why we prefer to use powdered *Digitalis* or some of its fluid preparations, rather than the *Digitalin* of commerce.

5. *Cocaine Hydrochlorate*. Give Botanical source of drug. State dose.

We are advised to make fresh solution of this drug at the time of using it. Why?

6. Fld. extract of *Licorice* is used to cover the bitter or nauseous taste of certain drugs. What condition in a mixture renders it incompatible. Explain why?

SECOND EXAMINATION.

ANATOMY.

HONORS.

Examiner : M. H. AIKINS, B.A., M.D., M.R.C.S., Eng.

1. Describe the orbit.
 2. Describe the sphenopalatine ganglion (Meckel's,) where situated how formed, connections, and branches.
 3. Describe the internal maxillary artery, and give the distribution of its branches.
 4. Describe the thyroid axis, and give the distribution of its branches.
 5. Trace the course of the hypoglossal nerve after its exit from the anterior condyloid foramen. Name and give the distribution of its branches.
 6. Describe the appendages of the uterus.
-

THIRD EXAMINATION.

SURGICAL ANATOMY.

PASS AND HONORS.

Examiner : W. T. AIKINS, M.D., LL.D.

1. Describe the relations of the base of the bladder.
 2. Describe the dissection required to most easily expose the anterior division of the middle meningeal artery.
 3. Mention the vein you would select in making a phlebotomy at the elbow, and give the relations of the immediately adjacent parts.
 4. Describe the axillary space up to the clavicle, and state the relation of its contents.
 5. The musculo-spiral nerve has been severed two inches above the elbow joint ; in what position will the hand and fingers be found ? and how will you reach the nerve to tie its ends ?
 6. Proceeding upwards along the spine, from the anus locate the first six lymphatic glands you find, and state whence they derive their lymphatic vessels.
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THIRD EXAMINATION.

SURGERY.

Examiner: W. T. AIKINS, M.D., LL.D.

1. Make a flap amputation through the middle of the leg; dress the wound and put the patient into bed, and in thirty lines state in what condition the room should be?

2. Diagnose Hydrocele of the tunica vaginalis testis.

3. Treat a case of severe Epistaxis.

4. What are the symptoms of retention of urine from paresis of the bladder?

5. There is an incised wound across the front of the elbow joint dividing the tendon of the biceps and median nerve, and wounding the brachial artery. Treat the case for the first day.

6. In chronic cases with debility, and perhaps loss of flesh, but not incurable, state on a single page the points that should always be attended to for the purpose of improving the general health, and without the employment of which other measures will very often fail.

THIRD EXAMINATION.

PATHOLOGY.

Examiner: H. A. MCCALLUM, M.B.

1. Give the points of distinction between Adeno-Carcinoma and simple Adenoma.

2. Classify soft Nasal Polypi. Give microscopic appearance. Why should they return after removal?

3. (a) Give an approved method of staining Bacillus Tuberculosis in Sputa.

(b) Write a short description of the malarial germ of Laveran.

4. Contrast the pathology of the following: Anthrax (primary lesion), Carbuncle, and Furuncle.

5. Show by diagram and explain the changes seen in a case of Locomotor Ataxia.

THIRD EXAMINATION.

THERAPEUTICS.

HONORS.

Examiner: H. H. WRIGHT, M.D.

1. Bromine—Therapeutics of.

2. The Bromide Salts; (*a*) enumerate them; (*b*) give dose of each for the age of fifteen years, and mode of administering; (*c*) which is most reliable, and why?; (*d*) in what form does it exist, after being taken?; (*e*) how is it eliminated?; (*f*) Therapeutics.

3. What remedies may be safely administered, in relatively larger doses to infants than adults? Give rule for apportioning dose to age.

4. Therapeutics of Bicarbonate of Soda. Doses.

THIRD EXAMINATION.

THERAPEUTICS.

HONORS.

Examiner: H. H. WRIGHT, M.D.

1. Definition of Hæmatinics. Theory of their action. Contra-indications to their use of some of them. Doses. When is best time to administer?

2. Indications for administration of emetics. Enumerate them. Which are most prompt? Theory of their action.

Classify and enumerate cathartic medicines. State on what part of canal they individually act; and the conditions in which they are respectively called for.

THIRD EXAMINATION.

OBSTETRICS.

HONORS.

Examiner: H. S. GRIFFIN, B.A., M.B., M.D., C.M.

1. Specify the changes produced in the Uterus by pregnancy.

2. In what cases is premature artificial delivery indicated? How would you operate?

3. What difficulties present themselves in a case of face presentation, mento-posterior? How may they be overcome?

4. Give the causes and symptoms of Puerperal Eclampsia.

5. How would you treat labor complicated with Placenta Praevia? Give your reasons?

6. What precautions would you take to prevent laceration of the perineum during labor? How would you treat its occurrence?

THIRD EXAMINATION AND FINAL. SURGICAL ANATOMY.

Examiner: W. T. AIKINS, M.D., LL.D.

1. Left lumbar colotomy. What structures would you cut through, and what avoid?
2. Expose and ligate the posterior tibial artery in the middle of the leg.
3. Give the anterior and posterior relations of the common carotid artery and internal jugular vein on right side.
4. Locate the lymphatic glands of the neck from the clavicle below to the floor of the mouth above.
5. Describe the ligaments of the uterus.
6. Name carefully the coverings of the inguinal canal, and the contents of the infundibuliform fascia.

THIRD EXAMINATION AND FINAL. SURGERY.

PASS AND HONORS.

Examiner: W. T. AIKINS, M.D., LL.D.

1. Give in detail your treatment during the first two days for an oblique fracture of the shaft of the femur where adhesive plaster and gaiter could not be used. In the adult how long generally does your treatment continue?
2. How would you recognize extra capsular impacted fracture of the cervix femoris?
3. You are asked to treat a nail wound of the knee joint just received, and cannot see the case again for ten days, when you find the knee in a state of acute inflammation. State your treatment on the two occasions.
4. There is a deep stab in the back of the buttocks, and rather smart bleedings; how would you first try and arrest it?
5. How would you distinguish, surgically, chronic induration of the breast from scirrhus?
6. Burns and scalds. State the difference between these two forms of injury; the conditions which render them more or less dangerous; the constitutional symptoms attending them when extensive; the causes of death in fatal cases, and the pathological effects produced. Then describe the treatment you would adopt in severe cases.

THIRD EXAMINATION AND FINAL.

PATHOLOGY.

Examiner: H. A. McCallum, M.B.

NOTE.—All questions of equal value. Candidates will write on five questions only.

1. Give microscopic appearance of miner's Phthisis. How does the irritating material reach its present location in the tissues?

2. Describe macroscopical and microscopical changes found in Fatty Liver. In what part of the lobules do such changes begin?

3. (a) "In Post Mortem room kidney capsules found adherent." In what kidney lesions is the capsule adherent?

(b) Describe the changes found in the arteries in cirrhotic kidney.

4. Give fully all changes found in the pleura in Pleurisy, second stage.

5. What are the microscopical appearances in catarrhal pneumonia? What artery gives off the inflammatory products?

6. What part does Bacteria play in Suppuration?

THIRD EXAMINATION AND FINAL.

OBSTETRICS.

Examiner: H. S. GRUFFIN, B.A., M.B., M.D., C.M.

1. Describe the formation and development of the Decidua.

2. Define Presentation, Position, Rotation, Extension, Restitution.

3. Give the diagnosis and treatment of shoulder presentations.

4. Classify according to their relative value the Sensible (or objective) signs of pregnancy at the third and sixth month, respectively.

5. What are the symptoms of Abortion. Give the treatment.

6. What are the indications for and against the use of Ergot in Labor?

7. What are the difficulties that may retard delivery of the Placenta?

THIRD EXAMINATION AND FINAL.

MEDICINE.

PASS AND HONORS.

Examiner: H. H. WRIGHT, M.D.

1. (a) Phenomena of Uraemia; (b) Theory of; (c) Morbid Anatomy of; (d) Diagnosis of; (e) Treatment.

2. (a) Diagnosis of Anæmia; (b) Diagnosis of Pernicious; (c) Blood changes; (d) Treatment.

3. (a) In a case of Typhoid Fever of usual duration in an adult, and where the temperature never exceeds 104°F. Indicate by a chart the range (a) during the first four days; (b) during the last week; (c) enunciate complications, and when they may be expected; (d) when is death most likely to occur, and causes; (e) diagnosis and Prophylaxis.

4. (a) What are the phenomena of the prodromal stages respectively of: measles, scarlet fever, small pox, and German measles.

(b) Give diagnosis of varioloid on fifth day of eruption.

(c) Typical course of vaccinia, and the most reliable characteristics of the vaccine cicatrix.

FOURTH EXAMINATION.

SURGERY.

HONORS.

Examiner: W. T. AIKINS, M.D., LL.D.

1. How should a man after fifty years of age conduct himself so as to lessen tendency to paresis of the bladder; and what would be the general and local treatment during an attack of this affection?

2. In addition to splints, not to be named, how would you treat Colles's fracture of the radius so as to prevent as far as possible long impaired usefulness of the hand?

3. A delicate child of twelve or fifteen years of age receives a blow on the anterior surface of the tibia, you are immediately consulted, there is no fracture, what would you fear, and what would be your treatment.

4. State the various injuries that may occur to a joint, the result of violence, but just stopping short of luxation.

5. A man received a severe kick in the Perineum, which was rapidly followed by considerable swelling there, and retention of urine. State the probable nature of the injury, and its immediate and remote effects, the mode in which you would investigate such a case, and the treatment you would adopt.

6. In which directions may the Astragalus be dislocated? How does this accident *usually* occur? Describe the attendant signs, possible complications and consequences of this injury; and state how you would deal with it according to circumstances.

FORENSIC MEDICINE.

HONORS.

Examiner: W. WINSLOW OGDEN, M.D.

1. In a question of legitimacy state the most reliable circumstance from which to calculate in pregnancy, and give a frequent cause of premature delivery indicated by Hippocrates, and subsequently apparently confirmed by Fodere.
2. Under what conditions may a young female become pregnant, and proceed to delivery without knowing her *real* state?
3. Give four forms of extrauterine pregnancy, and describe the possible terminations in each.
4. A substance is expelled from the uterus about the second month; show that it is a *true mole*, and not a coagulum.
5. What is an Hermaphrodite? Designate the three forms, giving their technical names, and state the importance of a correct diagnosis under English law.
6. Give the specific gravity of infant lungs before respiration, and after respiration has been established.
7. How would you treat a case of *oxalic acid* poisoning, what alkalies would you specially withhold, and so far as liquids are concerned, what liquids would you *particularly avoid*, and why?

FOURTH EXAMINATION AND FINAL.

MEDICAL PSYCHOLOGY.

PASS AND HONORS.

Examiner: W. WINSLOW OGDEN, M.D.

* Honors.

- * 1. What symptoms will enable you to distinguish cases of Syphilitic Insanity from Paralytic Dementia, and how would you treat a case of Syphilitic Insanity?
- * 2. A., B., and C. represent persons clearly insane; a parent and grandparent of A. were insane; and uncle and parent of B. had been insane; one parent of C. had been insane. Indicate briefly the relative predisposition to insanity in A., B., and C., stating reasons for your conclusions.
3. Describe the causes, symptoms, and general characteristics of Imbecility.
4. What is the origin of Idiocy; its essential characteristics, and the best attainable results from education in any case?
5. State Dr. Wilbur's views of the character of the brain in (a) Idiots, and in (b) Infants with ordinary cerebral development.
6. Describe a case of Imbecility in an individual over eighteen and under twenty-five years of age, and state whether ideas are found in either class, with reasons for your conclusions.

FOURTH EXAMINATION AND FINAL.

MEDICINE.

PASS AND HONORS.

Examiner : H. H. WRIGHT, M.D.

1. Atonic gastric dyspepsia (*a*) symptoms ; (*b*) diagnosis ; (*c*) morbid anatomy.
2. Phenomena, cause, and diagnosis of Pertussis, complications, sequelae.
3. Phenomena and diagnosis of "Mal-petit," or "Epilepsia Mitior."
4. Dropsy (*a*) definition ; (*b*) varieties ; (*c*) general pathology and principles of treatment.
5. Causes of Typhoid *condition*, diagnosis.



FOURTH EXAMINATION AND FINAL.

FORENSIC MEDICINE.

Examiner : W. WINSLOW OGDEN, M.D.

1. Describe the indelible sign of pregnancy in a primiparous female, after delivery at the sixth month.
2. Under what circumstances may a female be delivered at the full period, and be ignorant of the fact at the time of being delivered ?
3. Explain the Tenant by the Courtesy Law of England, and show (*a*) what condition of the child simply will be held as live birth, (*b*) what the father's claim to property may be in case delivery has taken place by Cæsarian section ?
4. Describe the evidences of rape on an unmarried female, of sanguine temperament, within two days after being committed, indicating, first, those signs that are doubtful ; and, secondly, those that cannot be questioned ?
5. Give the signs, post mortem and otherwise, in poisoning by Carbonic Acid, and state how it destroys life.
6. Give generally the symptoms, post mortem appearances, and treatment in poisoning by the mineral acids, and name any of those acids that will not in treatment of the case admit of the administration of water without injury ?

FOURTH EXAMINATION AND FINAL.

SANITARY SCIENCE.

Examiner : H. P. YEOMANS, A.B., M.D.

1. Illustrate by a reference to the various contagious and infectious diseases, how the manner of their propagation varies with the parts of the body implicated.

2. While attending a case of diphtheria, describe in detail the means you would adopt to prevent the spread of the contagion.

3. Point out briefly the defects in house drainage which may give rise to deposits of sewage, and the entrance of sewer gases into houses.

4. How would you ventilate a school-room (*a*) in summer, (*b*) in winter if warmed by a stove in the room, (*c*) if warmed by a hot air furnace?

5. Briefly indicate the powers granted by "The Public Health Act" of Ontario for enforcing notification of the existence of contagious and infectious diseases.

FOURTH EXAMINATION AND FINAL.

SURGERY.

Examiner : W. T. AIKINS, D.D., LL.D.

1. How would you treat acute orchitis, stating how long you would continue each feature of the treatment.

2. State the local and constitutional symptoms of chronic abscess in bone, and describe your treatment.

3. Diagnose, and treat pus in the pleural cavity.

4. Arrange the bed-room so that the patient will not inhale any of his own exhalations, or those of others.

5. Describe the pathology, symptoms and treatment of caries of the spine. State the circumstances under which recovery may take place, and the pathological changes accompanying recovery.

6. Mention the different forms of nævus, and the appropriate modes of treatment.

7. Treat an ununited fracture of the humerus.

8. Give the causes, symptoms, and treatment of acute suppurative inflammation of the middle ear.

7. Wilson, J. A.	18. { Crichton.	27. Almas, J. S.
8. Harper.	19. { Heming.	28. { Senkler, W. I.
9. Gowland.	20. Way.	29. { Wardell.
10. McCormick.	21. Rosebrugh.	30. Foster, Miss M. I.
11. { Teeter.	22. Forrest.	31. Dwyer, R. J.
12. { Evans.	23. { Armstrong.	32. Awde, A. E. [E.
13. Youell.	24. { Bowles.	33. Patterson, Miss H.
14. McKechnie.	25. { Crawford.	34. Tye.
15. { Chambers.	26. { Massie.	35. Hagerman.
16. { Hershey.		
17. { Ross.		

Biology.

CLASS I.	CLASS III.	
Middlebro.	1. McAsh.	15. { Hagerman.
	2. Campbell.	16. { Ross.
CLASS II.	3. { Crawford.	17. { Teeter.
	4. { Tye.	18. { Wilson, J. A.
1. Bruce.	5. Evans.	19. McKechnie.
2. { Cowper.	6. { Heming.	20. McCormick.
3. { Forrest.	7. { Lloyd.	21. { Massie.
4. Gowland.	8. { Green.	22. { Way.
5. Crichton.	9. { Moss.	23. { Bowles.
	10. Chamders.	24. { Wardell.
	11. { Armstrong.	25. Rosebrugh.
	12. { Hershey.	26. Clark.
	13. { Richardson.	27. Harper.
	14. { Youell.	

McCuen, J. A., passed in all subjects of First Examination.

Webster, C. A. passed in Physiology, Chemistry, and Biology, and obtained First Class Honors in Anatomy.

The following Candidates, not having yet matriculated, do not obtain relative standing :—

Brown, J. N. E., Brown, W. F., Smith, J. R., First Class Honors in Anatomy, Pass in Physiology, Chemistry, and Biology.

Cowpe, J. A., Montgomery, A., Second Class Honors in Anatomy, Pass in Physiology, Chemistry, and Biology.

Gear, H., McDermid, A., Skippen, A., Smith, E. G., Wilson, W. F., Pass in Anatomy, Physiology, Chemistry, and Biology.

*Townsend, F., Pass in Anatomy, Physiology, and Biology.

*To be allowed their year upon passing at the Supplemental Examinations in September in Subjects of this Examination as follows :

Anatomy.—Moss.

Chemistry.—Calder ; Campbell, L. H. ; Closson, J. H. ; Farrow ; Moss ; Townsend.

Biology.—Calder ; Farrow.

SECOND YEAR.

Anatomy.

CLASS I.	CLASS III.	
1. Langrill, W. F.	1. Schlenker, T. W.	19. Hunter, W. R.
2. Barnhart, W. N.	2. Wells, F.	20. *McConaghy, F.
3. Arthur, J. R.	3. Heaslip, A. W.	21. *Forrest, J.
4. McGorman, G.	4. Hett, J. E.	22. *McLean, D.
5. McGillivray, C. F.	5. Chrystal, R. J.	23. { Almas, J. S.
6. { Wasley, J. H.	6. *Dwyer, R. J.	{ Hilliard, W. L.
{ Williams, A. A.	7. *Millard, A.	25. { *Clark, A. M.
8. McKenzie, G.	8. Langstaff, R. L.	{ *Shirton, G. K.
	9. McCullough, J. S.	27. Hutt, W. G.
	10. { *Campbell, L. H.	28. *Closson, J. H.
	{ *Henry, T. H.	29. *Boulton, A.
	{ Edgar, J. W.	30. *Green, F. T.
	10. { Page, T.	31. Webster, D. F.
	{ *Smith, J. C.	32. *Senkler, W. I.
	15. *Clendenan, A. E.	
	16. *Awde, A. E.	
	17. { Griffith, R. C.	
	{ Watson, J.	

Physiology.

CLASS I.		
	2. Williams.	
	3. Thompson.	18. { Clendenan.
Barnhart.	4. Griffith.	{ McCullough.
	5. Langstaff.	{ McLean.
	6. Hilliard.	21. Watson.
	7. { Henry.	22. Schlenker.
	{ Hutt.	23. { Awde.
	9. Hett.	{ Senkler.
	10. Dow.	{ McKenzie.
	11. Millard.	26. Edgar.
	12. Webster, D. F.	27. { Almas.
	13. Heaslip.	{ Wasley.
	14. { Dunning.	29. Forrest.
	{ Wells.	30. Green.
	16. Teeter.	31. Clark.
	17. Hunter.	32. Page.
		33. Bray, R. V.

Materia Medica.

CLASS I.		
	3. Boyd.	18. Griffith.
	4. McGillivray.	19. { Chrystal.
Macartney.	5. { Hunter.	{ Smith.
	{ Schlenker.	21. McKenzie.
	7. Dunning.	22. Hett.
	8. Amyot.	23. Wells.
	9. McLean.	24. { Dow.
	10. Heaslip.	{ McCullough.
	11. Page.	26. Almas.
	12. Crawford.	27. Watson.
	13. { Hutt.	28. { Langstaff.
	{ Webster, D. F.	{ Shirton.
	15. Williams.	30. Edgar.
	16. Teeter.	31. Millard.
	17. Forrest.	32. Thompson.
		33. Grundy, H.

Chemistry (Organic and Medical).

CLASS II.		4. Arthur.	16. { Dwyer.
		5. Wells.	18. { Page.
1. { Barnhart.		6. { Dow.	19. Teeter.
1. { Griffith.		6. { Hutt.	19. Heaslip.
3. McGorman.		8. Thompson.	20. { Langstaff.
4. Macartney.		9. Watson.	20. { McCullough.
CLASS III.		10. Dunning.	22. Wasley.
		11. Amyot.	23. { McKenzie.
		12. Closson.	23. { Smith.
1. Schlenker.		13. Hunter.	23. { Williams.
2. { Hilliard.		14. Crawford.	26. Almas.
2. { Langrill.		15. Campbell.	27. Webster, D. F.
			28. Hett.

Normal Histology.

CLASS I.		6. { Griffith.	24. { McKenzie.
		6. { Macartney.	24. { Dunning.
		6. { Schlenker.	24. { Smith.
1. Amyot.		9. Teeter.	27. { Clark.
2. Barnhart.		9. { Edgar.	27. { Webster, D. F.
3. Crawford.		10. { Green.	29. { Wasley.
CLASS II.		10. { Williams.	29. { Awde.
		13. Heaslip.	31. Dwyer.
1. Langrill.		14. { Hett.	32. Senkler.
2. Arthur.		14. { Wells.	33. McCullough.
3. McGillivray.		16. { Shirton.	34. { McConaghy.
CLASS III.		16. { Hnnter.	34. { McLean.
		16. { Forrest.	34. { Page.
1. McGorman.		19. Almas.	37. { Campbell.
2. Langstaff.		20. Closson.	37. { Boulton.
3. Hilliard.		21. Thompson.	37. { Millard.
4. { Hutt.		22. Dow.	37. { Clendenan.
4. { Watson.		23. Henry.	

Medical Chemistry only.

CLASS III.		6. *Heggie.	13. Green.
		7. McConaghy.	14. Senkler.
1. Irwin, E. F.		8. { Boulton, A.	15. Bueglass, A.
2. Boyd.		8. { Mulcahy, M. V.	16. Mason, R. H.
3. Chrystal.		8. { Clark, A. M.	17. Shirton.
4. Awde.		11. McLean.	18. *Oldright.
5. Forrest.		12. Edgar.	19. Millard.

* To be allowed their year upon passing at the Supplemental Examinations in September in those subjects in which they have failed, as given below :

Physiology—Boulton, Campbell, Closson, Dwyer, Heggie, McConaghy, McCuen, Shirton, Smith.

Materia Medica—Awde, Boulton, Campbell, Clark, Clendenan, Closson, Dwyer, Green, Heggie, Henry, McConaghy, McCuen, Oldright, Senkler.

Organic Chemistry—Awde, Boulton, Clark, Clendenan, Forrest, Green, Henry, McConaghy, McLean, Millard, Senkler, Shirton, Webster, C. A.

Medical Chemistry—Clendenan, Henry.

McConaghy, F., has yet to pass in Biology of First Examination. Webster, C. A., passed in Anatomy, Physiology, Materia Medica, Histology, and Medical Chemistry.

McCuen, J. A., passed in Anatomy, Chemistry (Organic and Medical), and Histology.

* To be allowed their years upon passing at the Supplemental Examinations in September in subjects of this Examination, as follows:

Medicine—Bueglass, Mason.

Clinical Medicine—Bueglass, Irwin, Mason.

Surgical Anatomy—Forfar, Robinson, Russell, Shiell.

Obstetrics—Mason.

FOURTH YEAR.

Medicine.

CLASS I.	CLASS III.	
Sangster, W. A.	1. Armstrong, W. J.	8. Willson, A. J.
	2. Phair, W. R. G.	9. Meek, E.
	3. { McLachlan, C.	10. Gamble, J. B.
	{ Vidal, C. L. K.	11. Chambers, G.
CLASS II.	5. *McTacklin, J. Y.	12. Stone, J. R.
1. Campbell, J. T.	6. *Earley, W. J.	13. Silverthorn, G.
2. { Collins, J. H.	7. McColl, H. A.	14. McNamara, C. J.
{ Gillrie, M. E.		15. Palmer, R. H.
4. Clark, C. P.		

Clinical Medicine.

CLASS I.		
	2. Collins.	3. Phair.
	3. McLachlan, C.	4. Armstrong.
1. Chambers.	4. Clark.	5. McNamara.
2. Willson.	5. Silverthorn.	6. Stone.
3. Gamble.		7. Campbell.
	CLASS III.	8. Vidal.
CLASS II.	1. Meek.	9. Sangster.
1. Palmer.	2. Gillrie.	10. McColl.

Surgery.

CLASS I.		
	2. Gillrie.	3. Armstrong.
	3. Palmer.	4. { Phair.
	4. Meek.	{ Sangster.
	5. McNamara.	6. Earley.
1. Chambers.		7. McLachlan, C.
2. Campbell.	CLASS III.	8. McColl.
3. McLachlin, J. Y.		9. Vidal.
4. Willson.	1. { Clark.	10. Stone.
5. Gamble.	{ Silverthorn.	
CLASS II.		
1. Collins.		

Clinical Surgery.

CLASS I.	CLASS II.	8. McNamara.
		CLASS III.
1. Chambers.	1. McLachlan, C.	1. Vidal.
2. Gamble.	2. Silverthorn.	2. Stone.
3. Armstrong.	3. { Meek.	3. McColl.
4. Collins.	{ Palmer.	4. { Earley.
5. { Clark.	5. { Phair.	{ McLachlin, J. Y.
{ Willson.	{ Sangster.	
7. Gillrie.	7. Dampbell.	

Gynaecology.

CLASS I.			
1. Chambers.	2. { Sangster. Willson.	3. { Gillrie. McLachlan, C.	
2. Clark.	4. Meek.	4. { McNamara. Silverthorn.	
3. Collins.	5. Gamble.	6. { Stone. Phair.	
4. Campbell.	CLASS III.		8. Earley.
CLASS II.		10. McColl.	
1. Armstrong.	1. Palmer.	11. Vidal.	
	2. McLachlin, J. Y.		

Forensic Medicine.

CLASS I.			
1. Armstrong.	3. Phair.	4. McColl.	
2. Campbell.	4. { Chambers. Palmer.	5. Silverthorn.	
3. Collins.	CLASS III.		6. McLachlin, J. Y.
CLASS II.		7. Gillrie.	
1. Sangster.	1. Gamble.	8. Willson.	
2. Earley.	2. Meek.	9. Clark.	
	3. McNamara.	10. McLachlan, C.	
		11. Stone.	
		12. Vidal.	

Hygiene.

CLASS I.		CLASS III.	
1. Willson.	2. Gamble.	1. Campbell.	
2. Phair.	3. McLachlan, C.	2. Chambers.	
3. Collins.	4. Armstrong.	3. McColl.	
CLASS II.		4. McNamara.	
1. Clark.	5. McLachlin, J. Y.	5. Earley.	
	6. Meek.	6. Palmer.	
	7. Sangster.	7. Stone.	
	7. Silverthorn.		

Medical Psychology.

CLASS I.			
Collins.	3. { Chambers. Gillrie. Willson.	12. Sangster.	
CLASS III.		13. { Campbell. Meek.	
1. Silverthorn.	6. McLachlin, J. Y.	15. Armstrong.	
2. McColl.	7. Gamble.	16. McNamara.	
	8. Palmer.	17. Stone.	
	9. Earley.	18. Clark.	
	10. McLachlin, C.	19. Vidal.	
	11. Phair.		

Godfrey, F. E., obtained First Class Honors in Clinical Medicine, Surgery, Clinical Surgery, and Gynaecology, Second Class Honors in Medicine and Medical Psychology, and Pass in Forensic Medicine and Hygiene.

*To take Clinical Medicine at a Supplemental Examination, before being entitled to a Degree.

THIRD YEAR.

Medicine.

CLASS II.		3. Bigelow, G. T.	13. { Hutchison, D. H.
		4. Starr, C. L.	{ Mitchell, A. V.
1. { Carveth, C. B.	5. Irvine, Miss E. J.	15. { *Russell, T	
{ Gordon, A. R.	6. Archer D.	{ *Shiell, R.	
3. Cullen, T. S.	7. Morrison, W. C.	17. McGillivray, W.	
CLASS III.		8. { Pugh, W. M.	18. *Burger, J. H.
		{ Smith, J. L.	19. { *Forfar, J. E.
1. McFarlane, M. T.	10. { Macdonald, J. A.	{ *Irwin, E. F.	
2. Barker, L. F.	{ Philp, W. H.	21. Zwick, F.	
	{ *Robinson, J. A.		

Clinical Medicine.

CLASS II.		3. { Carveth.	2. Zwick.
		{ Gordon.	{ Forfar.
1. Barker.	5. { Mitchell.	3. { Russell.	
2. Philp.	{ Shiell.	5. Irvine, Miss E. J.	
CLASS II.		6. McGillivray.	
		7. { Bigelow.	7. Macdonald.
		{ Pugh.	8. Morrison.
1. Cullen.	9. Archer.	9. Robinson.	
2. Starr.	CLASS III.		10. Smith.
	1. McFarlaue.		11. Hutchison.

Surgery.

CLASS I.		CLASS II.	
1. Barker.		2. Cullen.	
2. McGillivray.		3. Irwin.	
3. Philp.	1. { Michell.	4. *Bueglass.	
4. Zwick.	{ Smith.	5. Gordon.	
5. Morrison.	3. Hutchison.	6. Shiell.	
6. McFarlane.	4. { Pugh.	7. { Burger.	
7. Forfar.	{ Starr.	{ Irvine, Miss E. J.	
8. Macdonald.	6. Archer.	9. Mason.	
9. Bigelow.	CLASS III.		10. Robinson.
10. Carveth.	1. Russell.		

Clinical Surgery.

CLASS I.		CLASS II.	
1. { Barker,		12. { Forfar.	
{ Philp.		{ Russell.	
3. Mitchell.		CLASS III.	
4. Gordon.	1. Macdonald.	1. Irvine, Miss E. J.	
5. Pugh.	2. Starr.	2. McFarlane.	
6. Carveth.	3. { McGillivray.	3. Robinson.	
7. Cullen.	{ Sheill.	4. Bueglass.	
	{ Smith.	5. { Burger.	
	6. Bigelow.	{ Mason.	
	{ Archer.	7. Stone, J. R.	
	{ Hutchison.		
	7. { Irwin.		
	{ Morrison.		
	{ Zwick.		

Surgical Anatomy.

CLASS I.		CLASS III.	
1. Hutchison.	2. Zwick.	6. Starr.	
2. Philp.	3. Archer.	7. { Mason.	
3. Barker.		{ Morrison.	
4. McFarlane.		9. Mitchell.	
	1. Gordon.	10. Bueglass.	
	2. Irvine, Miss E. J.	11. Carveth.	
	3. Pugh.	12. Macdonald	
	4. { Bigelow.	13. Smith.	
	{ McGillivray.	14. Burger.	
		15. Irwin.	

Obstetrics.

CLASS I.		CLASS III.	
1. Carveth.	11. Smith.	1. Macdonald.	
2. Barker.	12. Hutchison.	2. Bueglass.	
3. Archer.	13. Starr.	3. Burger.	
4. Philp.		4. { McGillivray.	
5. McFarlane.		{ Shiell.	
6. Gordon.	1. Bigelow.	6. Irwin.	
7. Irvine, Miss. E. J.	2. Russell.	7. Vidal, C. L. K.	
8. Zwick.	3. Morrison.	8. Robinson.	
9. { Forfar.	4. Michell.		
{ Pugh.	5. Cullen.		

Pathology and Pathological Histology.

CLASS I.		CLASS III.	
1. Barker.	2. Macdonald.	14. { Forfar.	
	3. Bigelow.	{ Michell.	
	4. { Archer.	16. { Bueglass.	
	{ Cullen.	{ Russell.	
	6. Robinson.	18. Mason.	
	7. { Burger.	19. { Hutchison.	
	{ Starr.	{ McGillivray.	
	9. Smith.	21. Pugh.	
	10. Morrison.	22. Irvine, Miss E. J.	
	11. { Irwin.	23. MacFarlane.	
	{ Zwick.		
	13. Shiell.		

Therapeutics.

CLASS II.		CLASS III.	
1. { Bigelow.		9. Irwin.	
{ Mitchell.		10. Burger.	
3. Barker.	1. { Hutchison.	11. Forfar.	
4. Morrison.	{ McGillivray.	12. Smith.	
5. Macdonald.	3. { Irvine, Miss E. J.	13. { Mason.	
6. { Carveth.	{ McFarlane.	{ Pugh.	
{ Pugh.	5. Starr.	15. Robinson.	
8. Archer.	6. Zwick.	16. Russell.	
	7. Gordon.	17. Shiell.	
	8. Cullen.	18. Bueglass.	

Godfrey, F. E., obtained First Class Honors in Clinical Medicine, Surgery, Clinical Surgery, and Obstetrics, Second Class Honors in Medicine, and Pass in Surgical Anatomy, Pathology, and Therapeutics.

STUDENTS REGISTERED IN THE MEDICAL FACULTY.

SESSION 1888-89.

FIRST YEAR.

Armstrong, F. K.	Glanford.	Montgomery, A.	Islington.
Bruce, H. A.	Port Perry.	Mitchell, R. M.	Shrigly.
Brown, Jno. N. E.	Medina.	Moss, F. H.	Toronto.
Bowles, G. H.	Sand Hill.	McDermid, A.	Coldwater.
Brown, W. F.	Medina.	McAsh, Jno.	Varna.
Bull, Chas. H.	Downsview.	McCormick, H.	Walkerton.
Beath, Thomas.	Columbus.	McKechnie, L.	Paisley.
Bradshaw, T.	Toronto.	McColl, A. W.	Toronto.
Crawford, Wm.	Berlin.	Pinkham, Jos. F.	Richmond.
Chambers, Wm.	Toronto.	Ross, John F.	Argyle.
Corlett, T. A.	Dornoch.	Ross, Geo. M.	Algoma.
Cowper, J. A.	Welland.	Roseburgh, F. M.	Hamilton.
Calder, B. M.	Grimsby.	Roach, John J.	Brechin.
Campbell, W. A.	Whitby.	Richardson, C. C.	Vandorf.
Clark, D. A.	Agincourt.	Riddell, G. I., B.A.	Toronto.
Davies, P. H.	Toronto.	Smale, W. M. B.	Wrexeter.
Evans, J. A. C.	Bradford.	Smith, E. G.	St. Catharines.
Farrow, Joseph.	Auburn.	Smith, John R.	Glanford.
Forrest, Frank.	Mount Albert.	Skippen, A.	Hillsburg.
Green, B. H.	Ayr.	Shurly, M.	Galt.
Gowland, R. H.	Hamilton.	Skey, W. R.	West Toronto Jet.
Gear, Henry.	Marsville.	Townsend, Fred.	Parkdale.
Henry, T. J.	Thornton.	Teeter, R. J.	Teeterville.
Henry, F. N.	Thornton.	Tufford, W. H. P.	Northfield Centre.
Hagerman, F. H.	Parkhill.	Tye, W. H.	Chatham.
Heming, F. H.	Parkdale.	Toeppen, H., Ph. D.	Toronto.
Hershey, Jno. A.	Garrison Road.	Wilson, J. A.	Lakelet.
Hanbidge, T. W.	Mount Hope.	Watson, Ralph.	Newmarket.
Harper, J. J.	Rosemont.	Wardell, H. A.	Dundas.
Lloyd, H. M.	Toronto.	Wilson, W. T.	Dundas.
Laird, C. J.	Guelph.	Way, H. J.	Toronto.
Massie, H.	Toronto.	Wood, A. W.	Toronto.
Middlebro, Thos.	Owen Sound.	Yeuell, J. H. G., B.A.	Aylmer.

SECOND YEAR.

Amyot, Jno. A.	St. Thomas.	Crawford, R. G.	Owen Sound.
Awde, A. E.	Toronto.	Closson, J. H.	Weburn.
Arthur, J. R.	Barrie.	Clingan, Geo.	Orangeville.
Almas, A. S.	Hagersville.	Clark, A. M.	Elcho.
Boyd, G.	Toronto.	Clendman, A. E.	Cambray.
Barnhart, W. N.	Mitchell's Square.	Durgavel, J.	Durham.
Bennett, T. E.	Fergus.	Dow, J.	Barnet.
Brown, B. McG.	Sarnia.	Dunning, M.	Orangeville.
Crichton, A., B.A.	Toronto.	Dwyer, R. J.	Brampton.

SECOND YEAR (*Continued.*)

Edgar, J. W., B.A.	Hamilton.	McConaghy, F. .	Richmond Hill.
Forrest, Jas.	Mount Albert.	McCullough, J. S.	Toronto.
Griffith, R. C.	Toronto.	McLean, D.	Elm Grove.
Gilray, E. J.	Grimsby.	McEwen, J. A.	Guelph.
Gillespie, P. A.	Cannington.	McEvoy, T. F. .	St. Michael's Coll.
Green, F. T.	Stoney Creek.	Old, F. J.	Caledonia.
Hutt, W. G.	Aurora.	Page, T.	Concord.
Heaslip, A. W. .	Niagara Falls, S.	Potts, R. B., B.A.	Toronto.
Hunter, W. R.	Clarksburg.	Sandison, E.	Toronto.
Henry, T. H.	Orangeville.	Senkler, W. I.	St. Catharines.
Hilliard, W. L.	Waterloo.	Shirton, G. K. .	Attercliffe Station.
Hart, E. J.	Parkdale.	Schlenker, T. W.	Ridgetown.
Hett, J. E.	Berlin.	Smith, J. C.	
Hill, R. C.	Owen Sound.	Teeter, O.	Grimsby.
Jamieson, T. H.	Gornley.	Thompson, B. E.	Waterdown.
Lucas, M. F.	Toronto.	Webster, D. T.	Glencoe.
Langrill, W. F.	Jarvis.	Wells, F. H.	Aurora.
Langstaff, R. L. .	Richmond Hill.	Watson, J.	Sherwood.
Millard, H.	Newmarket.	Wideman, H. B.	Ringwood.
Macartney, G. P.	Thorold.	Whitely, R. S.	Goderich.
McLaren, H., B.A.	Dirleton.	Wesley, J. H.	Newmarket.
McKenzie, G.	Wingham.	Williams, A. A.	Clinton.
McGorman, G.	Newton.	Webster, C. A., B.A. .	St. Mary's.

THIRD YEAR.

Aldrich, A. G.	Port Hope.	Gimby, W. E.	Owen Sound.
Armstrong, M.	Bayfield.	Gartley, A. C.	Newmarket.
Adams, E. H.	Toronto.	Gillrie, M. E.	Bosworth.
Agar, J. S.	Chatham.	Gordon, E. P.	Toronto.
Blackney, S., Pt. Adelaide, S. Aus.		Hardie, R. A.	Toronto.
Bond, W. L.	Newmarket.	Heggie, D. L.	Brampton.
Bryans, W. F.	Arthur.	Herriman, W. C.	Lindsay.
Barker, L. F.	Whithy.	Hanley, J. F.	Waubausene.
Bates, Stewart	Flesherton.	Hutchison, D. H.	Ingersoll.
Bigelow, G. Y.	Port Perry.	Irwin, E. F.	Newmarket.
Bentley, F. McP.	Newmarket.	Kaiser, T. E.	Edgely.
Blewett, W. J.	Little Britain.	Kelman, W. J.	Newmarket.
Burger, J. H.	Brampton.	Lundy, P.	Newmarket.
Baker, W. A.	Stouffville.	Mason, R. H.	Barrie.
Burglass, A. S.	Bright.	Morrison, W. C.	Elmswood.
Bray, R. V.	Chatham.	Mayburry, A. W.	Parkhill.
Cleudman, C. W. .	W. Tor. Junc.	Michell, A. V.	Deer Park.
Downes, C. H.	Toronto.	McGillivray, W.	Whithy.
Doyle, J. M.	Caledonia.	Macdonald, J. A.	Toronto.
Donglas, S.	Marsh Hill.	McNaughton, J. D.	North Keppel.
Delehunt, J.	Moorefield.	McGillivray, C. F.	Whithy.
Dixon, A. F.	Sandy Hill.	McFarlane, M. T.	Ridgetown.
Forfar, J. E.	Toronto.	Noble, J.	Arthur.
Fothergill, J. B.	Burlington.	Oldright, H. H.	Toronto.
Flatt, C. E.	Millgrove.	Philp, W. H.	Waldemar.
Foxcroft, W. F. .	Wilmslow, Eng.	Pugh, W. M.	Milverton.
Field, A. B.	Cartwright.	Rowan, R.	Omamee.
Gordon, A. R.	Toronto.	Robinson, J. A. R.	Brampton.
Gimby, J. H.	Owen Sound.	Russell, T.	Alton.

FINAL EXAMINATION.

(Medicine, Clinical Medicine, Surgery, Clinical Surgery, Surgical Anatomy, Obstetrics, Gynæcology, Pathology, and Pathological Histology, Therapeutics, Hygiene, Forensic Medicine, and Medical Psychology.)

*†Almas, W. E.	*†Ivey, J. A.	Wallwin, H.
Bowman, G. M.	†McKay, D.	Webster, J.
Bowman, J. E.	*†Rutherford, S. T.	*†Webster, T. S.
†Egbert, W.	*†Starr, F. N.-G.	Wright, W. McC.
†Greenlaw, J. A.	*†Stringer, T. L.	Yeomans, H. A.
*†Hart, J. S.	*†Turnbull, J. L.	

*Without Surgical Anatomy.

†Without Therapeutics.

Davis, Miss L. A., to take Surgery at a Supplemental Examination, passed in other subjects.

Grundy, H., to take Therapeutics at a Supplemental Examination, passed in other subjects.

Milcahy, M. V., to take Surgical Anatomy and Therapeutics at a Supplemental Examination, passed in other subjects.

Stafford, F. H., to take Clinical Medicine at a Supplemental Examination, passed in other subjects.

Sisley, O., to take Pathology, Hygiene and Second Year Materia Medica at a Supplemental Examination, passed in other subjects.

PRIMARY EXAMINATION.

(Anatomy, Physiology, Materia Medica, Chemistry (Inorganic, Organic, and Medical), Biology, and Histology).

*Gordon, E. P.	*Jamieson, T. H.	*Old, F. J.
Hillary, R. M.	*Mayburry, A. W.	*Watt, A. T.

*To be allowed the Primary Examination upon passing, at the Supplemental Examination in September in subjects of the Primary Examination, as follows:

Physiology—Old.

Organic Chemistry—Gordon.

Materia Medica—Jamieson, Old, Watt.

MEDALLISTS.

*Medicine.**g., gold medal ; s., silver medal.*

YR.	YR.	YR.
58 Oille, L. S., <i>g.</i>	69 Graham, J. E., <i>g.</i>	76 Bowerman, A. C., <i>s.</i>
Aikins, M. H., <i>s.</i>	Humble, C., <i>s.</i>	Wilson, W. J., <i>s.</i>
Millar, T., <i>s.</i>	McCollum, J. H., <i>s.</i>	77 Stuart, W. T., <i>g.</i>
59 Barnhart, C. E., <i>g.</i>	Bentley, T. B., <i>s.</i>	Orr, R. B., <i>s.</i>
King, J., <i>s.</i>	70 Greenless, A., <i>g.</i>	Richards, N. D., <i>s.</i>
Francis, W. F., <i>s.</i>	Burgess, T. J. W., <i>s.</i>	78 Griffin, H. S., <i>g.</i>
60 Bascom, J., <i>g.</i>	Smith, C. M., <i>s.</i>	Meek, H., <i>s.</i>
Playter, E., <i>s.</i>	Standish, J., <i>s.</i>	Bonnar, H. A., <i>s.</i>
Tisdell, F. B., <i>s.</i>	Wagner, W. J., <i>s.</i>	Kennedy, G. A., <i>s.</i>
Morton, E. D., <i>s.</i>	Burt, W., <i>s.</i>	Gardiner, J. H., <i>s.</i>
Ogden, W. W., <i>s.</i>	Williams, A. D., <i>s.</i>	79 Burt, F., <i>g.</i>
Martyn, D. H., <i>s.</i>	71 Forrest, W., <i>g.</i>	Mills, R. P., <i>s.</i>
61 Hudson, A., <i>g.</i>	Moore, C. Y., <i>s.</i>	Chappell, W. F., <i>s.</i>
Elliott, J., <i>s.</i>	Henning, N. P., <i>s.</i>	80 Cross, W. J., <i>g.</i>
62 Bolster, J., <i>g.</i>	Delamatter, R. H., <i>s.</i>	Bryce, P. H., <i>s.</i>
DeGrassi, G. P., <i>g.</i>	72 Zimmerman, R., <i>g.</i>	Ferguson, J., <i>s.</i>
63 Ramsay, W. F., <i>g.</i>	Crozier, J. B., <i>s.</i>	81 Duncan, J. H., <i>g.</i>
64 McLaughlin, J. W., <i>g.</i>	73 Close, J. A., <i>g.</i>	82 Wallace, R. R., <i>g.</i>
65 Burnham, E. L., <i>g.</i>	Beeman, M. L., <i>s.</i>	Duncan, J. T., <i>s.</i>
McCarthy, J. L. G., <i>s.</i>	Wright, A. H., <i>s.</i>	83 Robinson, W. J., <i>g.</i>
Kitchen, E. E., <i>s.</i>	Hagel, S. D., <i>s.</i>	Dolsen, F. J., <i>g.</i>
66 Mickle, W. J., <i>g.</i>	74 Fraser, D. B., <i>g.</i>	84 Clerke, J. W., <i>g.</i>
McCullough, J., <i>s.</i>	Brown, O. C., <i>s.</i>	85 Howell, J. H., <i>g.</i>
Wadsworth, J. J., <i>s.</i>	Farewell, A., <i>s.</i>	Carr, L., <i>s.</i>
67 Sparks, T., <i>s.</i>	Cameron, I. H., <i>s.</i>	Saunders, M. R., <i>s.</i>
Palmer, R. N., <i>s.</i>	Shaw, G., <i>s.</i>	Hoople, H. N., <i>s.</i>
Harbottle, R., <i>s.</i>	Fraser, D., <i>s.</i>	86 Peters, G. A., <i>g.</i>
Eccles, F. R., <i>s.</i>	75 Britton, W., <i>g.</i>	Noecker, C. T., <i>s.</i>
McFarlane, L., <i>s.</i>	White, J., <i>s.</i>	Johnston, D. R., <i>s.</i>
Newton, J. H., <i>s.</i>	Bennett, J. H., <i>s.</i>	87 Ego, A., <i>g.</i>
68 Brown, J. P., <i>g.</i>	Eakins, J. E., <i>s.</i>	88 Féré, G. A., <i>g.</i>
Hunt, R. H., <i>s.</i>	76 McPhedran, A., <i>g.</i>	Galloway, J., <i>s.</i>
Howe, T. C., <i>s.</i>	Lackner, H. G., <i>s.</i>	

STARR MEDALLISTS.

67 Palmer, R. N.	73 Meldrum, N. W., <i>g.</i>	78 Bonnar, H. A., <i>g.</i>
68 Hunt, R. H.	Close, J. A., <i>s.</i>	Meek, H., <i>s.</i>
Brown, J. P.	Hagel, S. D., <i>s.</i>	Griffin, H. S., <i>s.</i>
Cassidy, J. J.	74 Brown, O. C., <i>g.</i>	79 Burt, F., <i>g.</i>
69 Graham, J. E.	Farewell, A., <i>s.</i>	80 Cross, W. J., <i>g.</i>
70 Burgess, T. J. W., <i>g.</i>	Campbell, A. J., <i>s.</i>	Bryce, P. H., <i>g.</i>
Greenless, A., <i>s.</i>	75 Britton, W., <i>g.</i>	81 Duncan, J. H., <i>g.</i>
Wagner, W. J., <i>s.</i>	White, J., <i>s.</i>	82 Wallace, R. R., <i>g.</i>
71 Moore, C. Y., <i>g.</i>	Bennett, J. H., <i>s.</i>	83 Robinson, W. J., <i>g.</i>
Henning, N. P., <i>s.</i>	76 Lackner, H. G., <i>g.</i>	86 Peters, G. A., <i>g.</i>
Forrest, W., <i>s.</i>	McPhedran, A., <i>s.</i>	89 Collins, J. H., <i>g.</i>
72 Zimmerman, R., <i>g.</i>	Bowerman, A. C., <i>s.</i>	Chambers, G., <i>s.</i>
Crozier, J. B., <i>s.</i>	Stuart, W. T., <i>g.</i>	

B.

Date of
Admission.

1881	M.B.	Beck, Geoffrey Strange	Orillia.
1873	M.B.	Beeman, Milton Ira	Centreville.
1874	M.B.	Beemer, Nelson Henry	London.
1866	M.B.	Beith, Alexander	Bowmanville.
1888	M.B.	Bell, George	
1861	M.B.	Bell, John	
1882	M.B.	Bell, James Francis	Detroit.
1864	M.B.	Bell, William H	Logansport, Ind.
1875	M.B.	Bennett, John Henry	Jarvis.
1880	M.B.	Bentley, Frank	Toronto.
1880	M.B.	Bentley, Lafayette	Toronto.
1868	M.B.	Bentley, Thomas Brigham	Sutton West.
1876	M.B.	Bentley, Richard Irvine	New Westminster, B. C.
1878	M.B.	Bentley, William Hincks	Newmarket.
1888	M.B.	Bibby, F. T.	Brighton.
1886	M.B.	Bigelow, Arthur Wellington	Chicago, U.S.
1884	M.B.	Bingham, George Arthur	Toronto.
1881	M.B.	Bingham, George Sheldon	Hamilton.
1871	M.B.	Black, William Steele	Uxbridge.
1888	M.B.	Bollen, Christopher	Port Adelaide, South Australia.
1862	M.B.	Bolster, John	(Ob.)
1878	M.B.	Bonnar, John Duncan	Buffalo.
1881	M.B.	Bosanko, Samuel Arthur	Leadville, Col.
1884	M.B.	Bourke, Edward	
1848	M.D.	Bovell, James. (<i>Ad eundem.</i>)	(Ob.)
1876	M.B.	Bowerman, Albert Claude	Picton.
1879	M.B.	Bowlby, David Adam	Simcoe.
1880	M.B.	Bowman, George	Penetanguishene.
1889	M.B.	Bowman, George M	Ash.
1889	M.B.	Bowman, J. Edgar	Copetown.
1867	M.B.	Bowman, James Walter	Kansas City, Neb.
1853	M.D.	Boyd, Walter	Forest.
1844	M.D.	Boys, H. (<i>Ad eundem.</i>)	(Ob.)
1884	M.B.	} Bray, James	Toronto.
1885	M.D.		
1882	M.B.	} Bremner, William Wilson	Manchester, Eng.
1885	M.A.		
1873	M.B.	Brewster, Nathaniel	Ridgeway.
1875	M.B.	} Britton, William	Toronto.
1876	M.D.		
1885	M.B.	} Britton, Carson Henry	Coleman.
1888	M.D.		
1887	M.B.	Brown, James J.	Owen Sound.
1868	M.B.	} Brown, John Price	Toronto.
1868	M.D.		
1874	M.B.	Brown, Owen Campbell	Acton Vale, P. Q.
1880	M.B.	} Bryce, Peter Henderson	Toronto.
1888	M.D.		
1867	M.B.	} Buchan, Humphrey Ewing	Toronto.
1869	M.D.		
1865	M.B.	Buchanan, Charles William	Cookstown.
1871	M.B.	Buchanan, George	Zurich.
1879	M.B.	Buchner, Denis Christopher	Middleville, Mich.
1870	M.R.	Burgess, Thomas Joseph Workman	Hamilton.
1867	M.B.	Burnett, David	Cobourg.

B.

Date of
Admission.

1889	M.D.	Burnham, G. A. (<i>Ad eundem gradum</i>)	Toronto.
1865	M.B.	Burnham, Elias LaFontaine	Millbrook.
1866	M.B.	{ Burns, James Hepburn	Toronto.
1888	M.D.		
1879	M.B.	{ Burt, Franklin	Minneapolis.
1889	M.D.		
1881	M.B.	Burt, John Crombie	Toronto.
1870	M.B.	{ Burt, William	Paris
1889	M.D.		
1878	M.B.	{ Barton, William Henry	London, Eng.
1881	M.D.		
1876	M.B.	Byam, John Wesley	Campbellford.

C.

1874	M.B.	Cameron, Irving Heward	Toronto.
1875	M.B.	{ Cameron, Kenneth Hugh Lochell	Cayuga.
1876	M.D.		
1889	M.B.	Campbell, J. T.	
1874	M.B.	Campbell, Aaron Jesse	Gravenhurst.
1885	M.B.	Cane, Frederick Warren	Toronto.
1886	M.B.	Carlyle, James Cochrane	Toronto.
1883	M.B.	Carleton, William Hall	Hamilton.
1860	M.B.	Carney, Richard	Windsor.
1885	M.B.	Carr, Leeming	Ancaster.
1878	M.B.	Carthew, Charles Edward	Feviotdale.
1863	M.B.	{ Cascaden, John	Iona.
1866	M.D.		
1868	M.B.	{ Cassidy, John Joseph	Toronto.
1869	M.D.		
1879	M.B.	Canghlin, John William	Bay City, Mich.
1886	M.B.	Caven, William Proudfoot	Toronto.
1889	M.B.	Chambers, Graham	Woodstock.
1865	M.B.	Chapman, O. W.	
1879	M.B.	Chappel, Walter Franklin	New York.
1882	M.B.	Charlton, William Joseph	Weston.
1851	M.D.	Chewett, William Cameron	Toronto.
1879	M.B.	Chisholm, Thomas	Arthur.
1855	M.B.	Chrysler, William Henry	Burford.
1879	M.B.	{ Clapp, Robert Edwin	Mildmay.
1883	M.D.		
1889	M.B.	Clark, C. P.	
1889	M.D.	Clark, D. (<i>Ad eundem gradum</i>)	Toronto.
1878	M.B.	{ Clarke, Charles Kirk	Kingston.
1879	M.B.		
1887	M.B.	Clarke, William Henry	
1882	M.B.	Cleland, Gawn Shaw	Toronto.
1880	M.B.	Clemens, George H.	Port Perry.
1880	M.B.	Clemens, Levi Rowman	Wellesley.
1871	M.B.	Clement, John James	Sarnia.
1876	M.B.	Clerke, Charles H.	(Ob).
1883	M.B.	Clerke, Harvey Shaw	Lucana.
1883	M.B.	Clerke, John Wesley	
1873	M.B.	Close, James Alexander	Somerville, Ill.
1888	M.B.	Clutton, W. H.	Dunlop.

THIRD YEAR *Continued.*

Sherk, F. H.	Berlin.	Starr, C. L.	Brooklyn.
Sheppard, C.	Toronto.	Smith, J. L.	Monck.
Shiell, R., B.A.	Plattsville.	Willoughby, G. T. A.	Guelph.
Shannon, J. A.	Teviotdale.	Zwick, F.	Belleville.
Sinclair, L. C.	Tilsonburg.		

FOURTH YEAR.

Almas, W. E.	Hagersville.	McColl, H. A.	Georgetown.
Anderson, R. K.	Lowville.	McKeown, P. W. H., B.A.	Toronto.
Bowman, G. M.	Ash.	McArthur, R. A., B.A.	Toronto.
Bull, E.	Weston.	McLachlin, J. Y.	London.
Bowman, J. E.	Copetown.	Palmer, R. H.	Danforth.
Cullen, T. S.	Toronto.	Phair, W. R. G.	Uxbridge.
Chambers, G., B.A.	Woodstock.	Reid, J. H.	Honeywood.
Collins, J. H.	Whitby.	Reynolds, A. J.	Mount Forest.
Chrystal, R. J., B.A.	Avonton.	Rogers, Thos. N.	London.
Dickinson, G. A.	Newtonville.	Rutherford, S. T.	Millbank.
Early W. J.	Owen Sound.	Ross, J. A.	Barrie.
Egbert, W.	Dumville.	Richardson, J. C.	Burlington.
Grundy, H.	Toronto.	Starr, F. N. G.	Toronto.
Gamble, J. B., B.A.	Toronto.	Stone, J. R.	Parkdale.
Greenlaw, J. A.	Palmerston.	Sangster, W. A.	Stouffville.
Godfrey, F. E.	Belgrave.	Silverthorn, G.	Summerville.
Gilchrist, W. C.	Barrie.	Smith, A. A.	Ridgetown.
Groves, W. H.	Toronto.	Sandison, F.	Toronto.
Hart, J. S.	Wilfred.	Stafford, E. H.	Toronto.
Henderson, D.	Bradford.	Turnbull, J. L.	Newton.
Holliday, A. H.	Port Perry.	Tweddle, J. S.	Fergus.
Howell, R. G.	Jarvis.	Vidal, C. E. K.	Toronto.
Ivey, J. A., B.A.	Jarvis.	Wygle, F. A.	Kempville.
Lockyer, C. D.	Toronto.	Webster, T. S.	Fergus.
Meek, E.	Alton.	Whiteman, G. A.	Shakespeare.
Mulligan, W. H.	Pembroke.	Wallwin, H.	Toronto.
Millican, J. A.	Belwood.	Willson, A. J.	Berlin.
McNamara, C. J.	Walkerton.	Youmans, H. A.	Belleville.
McKay, D.	Bradford.	Young, S. N.	Ridgetown.
MacLachlan, C.	Rockside.		

TOTAL.

Students of the First Year.	66
Students of the Second Year.	66
Students of the Third Year.	67
Students of the Fourth Year.	59

258

Total number of new students for the Session, including those admitted to advanced classes, 76.

University of Toronto.

LIST OF GRADUATES.

A.

Date of
Admission.

1867	M.B.	Aberdein, Robert	Syracuse, N. Y.
1887	M.B.	Acheson, George	Toronto.
1878	M.B.	Adair, James	Newtonville.
1865	M.B.	Aiken, Edward	California.
1866	M.D.		
1858	M.B.	Aikins, Moses Henry	Burnhamthorpe.
1888	M.D.		
1889	M.D.	Aikins, Wm. Thomas (<i>Ad eundem gradum</i>)	Toronto.
1881	M.B.	Aikins, William Henry B.	Toronto.
1881	M.B.	Aikins, Henry Wilbertorce	Toronto.
1878	M.B.	Algie, James	Alton.
1869	M.B.	Allan, Edward	Arthur.
1889	M.B.	Almas, Wm. E.	Hagersville.
1880	M.B.	Ames, Frederick Henry S.	Brigden.
1868	M.B.	Anderson, Hedley L.	Niagara.
1880	M.B.	Anderson, James	Hamilton.
1882	M.D.		
1879	M.B.	Anderson, John D.	Port Perry.
1877	M.B.	Armour, John Philip	Lakefield.
1889	M.B.	Armstrong, W. J.	
1873	M.B.	Armstrong, Francis Robert	Markham.
1879	M.B.	Armstrong, George Samuel	Flesherton.
1870	M.B.	Arnott, Henry	London.
1878	M.B.	Ashby, Thomas Henry	Woodbridge.

B.

1878	M.B.	Baines, Allan Mackenzie	Toronto.
1874	M.B.	Ball, Jerold	Toronto.
1873	M.B.	Balmer, John Stephen	(Ob.)
1888	M.B.	Barber, W. C.	Toronto.
1882	M.B.	Barkwell, Richard Herbert	London, Eng.
1887	M.B.	Barnett, Albert Deans	St. Paul, Minn., U.S.A.
1859	M.B.	Barnhart, Charles Edward	Owen Sound.
1860	M.B.	Bascom, Joseph	Uxbridge
1885	M.B.	Bascom, Horace	Uxbridge.
1872	M.B.	Bates, Sidney Lawrence	(Ob.)
1880	M.B.	Beattie, William	Warton.
1850	M.D.	Beaumont, William (<i>Hon.</i>)	(Ob.)

G.

Date of
Admission.

1868	M.B.	Galbraith, Daniel	Dresden.
1888	M.B.	Galloway, J.	Beaverton.
1889	M.B.	Gamble, Joseph Bryant	Toronto.
1869	M.B.	Gamble, Nathaniel	
1878	M.B.	Gardiner, John Herbert	London.
1881	M.D.		
1879	M.B.	Geikie, Archibald James	Toronto.
1889	M.B.	Gillrie, Marshall E	
1882	M.B.	Gilpin, William	Brechin.
1878	M.B.	Glasgow, Sinclair Holden	Welland.
1880	M.B.	Glendinning, James Irwin	Tullamore.
1889	M.B.	Godfrey, Forbes Elliott	Belgrave.
1877	M.B.	Good, James Wilford	Winnipeg.
1877	M.B.	Gordon, George	Merlin.
1869	M.B.	Gouinlock, William Coleman	Warsaw, N. Y.
1879	M.B.	Gould, David Hawthorne	Mount Albert.
1877	M.B.	Gracey, William John	(Ob.)
1869	M.B.	Graham, James Elliot	Toronto.
1870	M.D.		
1867	M.B.	Graham, William	Brussels.
1868	M.D.		
1871	M.B.	Graham, William Henry	Toronto.
1877	M.B.	Grant, Andrew	Beaverton.
1888	M.B.	Grant, J.	Lorneville.
1873	M.B.	Gray, John Wesley Vivian	Peterborough.
1889	M.B.	Green'aw, John A.	Palmerston.
1870	M.B.	Greenless, Alexander	(Ob.)
1880	M.B.	Greer, Thomas Newton	Cold Springs.
1885	M.B.	Grierson, John Frederick	Oshawa.
1878	M.B.	Griffin, Herbert Spohn	Hamilton.
1869	M.B.	Grote Gorham Whitcomb	
1871	M.B.	Groves, Abraham	Fergus.
1873	M.D.		
1878	M.B.	Groves, James	Manotick.
1887	M.B.	Guinane, Joachim	Toronto.
1873	M.B.	Gunn, John	Ailsa Craig.
1881	M.B.	Gunn, William	Brucefield.

H.

1873	M.B.	Hagel, Samuel David	Toronto.
1870	M.B.	Hamilton, Alexander	Toronto.
1879	M.B.	Hamilton, Charles James	Cornwall.
1880	M.D.		
1886	M.B.	Hamilton, Herbert James	Woodville
1888	M.B.	Hamilton, Walter	
1866	M.B.	Hanavan, Matthew Joseph	Stratford.
1882	M.B.	Hanbidge, William	Ogdensburg, N. Y.
1867	M.B.	Harbottle, Robert	Burford.
1888	M.B.	Hardie, T. A.	Toronto.
1882	M.B.	Harison, Beverly Drake	Bobcaygeon.
1889	M.B.	Hart, John S	Wilfrid.
1878	M.B.	Hartman, Jacob	
1880	M.B.	Hatton, Edward Fullerton	Genida, W. I.

H.

Date of
Admission.

1879	M.B.	} Head, James Gilmour.....	Glenmorris.
1888	M.D.		
1871	M.B.	} Henning, N. P	Smithville.
1863	M.B.		
1864	M.D.	} Henry James.....	Orangeville.
1873	M.B.		
1873	M.B.	Hensler, John Emerson.....	Fonthill
1854	M.D.	Herrick, Geo. (<i>Ad eundem</i>)	(Ob.)
1869	M.B.	} Hickman, John.....	Albion.
1870	M.D.		
1875	M.B.	Hobley, Thomas	Uxbridge.
1845	C.M.	Hodder, Edward Whitberry	(Ob.)
1865	M.B.	Hodder, Frederick William Lloyd.....	Aldershot, Eng.
1880	M.B.	} Hoig, David Scott.	Oshawa.
1888	M.D.		
1875	M.B.	Hopkins, Ephraim Dytton	(Ob.)
1885	M.B.	Hoople, Heber N.....	Brookland, N. Y.
1868	M.B.	} Howe, Thomas C	(Ob.)
1869	M.D.		
1885	M.B.	Howell, J. Harrison.....	Shedden.
1881	M.B.	Howitt, John Fritz William....	London, Eng.
1861	M.B.	Hudson, Adrian ...	Washington, D. C.
1868	M.B.	} Hughes, Arthur H	(Ob.)
1870	M.D.		
1869	M.B.	} Hughes, James Henderson	Toronlo.
1870	M.D.		
1866	M.B.	Hughes, John H.....	(Ob.)
1869	M.B.	Humble, Christopher	Emporia, Kan.
1868	M.B.	Hunt, Robert Herbert.....	Clarksburg.
1875	M.B.	Hunter, John	Toronto.
1879	M.B.	Hyde, John Galbraith	Cldde, New Zealand.

I.

1889	M.B.	Ivey, John A	Jarvis.
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J.

1866	M.B.	Jackes, Albert G	Winnipeg.
1872	M.B.	} Jackes, George Wylie.....	Eglington.
1888	M.D.		
1882	M.B.	Jackson, Henry Percy	Port Arthur.
1865	M.B.	Jackson, John Philip.....	(Ob.)
1866	M.B.	Jacques, Thomas.....	Brookville.
1878	M.B.	Jamieson, David.....	Durnam.
1876	M.B.	Jessop, Elisha.....	Port Perry.
1870	M.B.	Johnson, Arthur Jukes.....	Toronto.
1882	M.B.	Johnson, William H	Manilla.
1887	M.B.	Johnston, David.....	
1886	M.B.	Johnston, David R	Kincardine.
1884	M.B.	Johnston, James	Millbank.
1881	M.B.	Jones, Arthur Clarke	Cummins ville.
1888	M.B.	Jones, G. F.	Balsam.
1878	M.B.	Jones, James Robert.....	Winnipeg.

C.

Date of
Admission.

1871	M.B.	Cole, Henry James	Brantford.
1889	M.B.	Collings, James H.	Whitby.
1864	M.B.	Constantinides, Petros Constance	Toronto.
1865	M.D.		
1875	M.B.	Cook, Allan Buchner	Welland.
1882	M.B.	Cooper, Robert Edmund	Galt.
1874	M.B.	Corman, John Wesley	Beech Ridge, N. Y.
1878	M.B.	Cornell, Sanford Augustus	Rapid City, N. W. T.
1878	M.B.	Cornell, Warner	Thedford.
1888	M.D.		
1874	M.B.	Cotton, James Henry	Toronto.
1881	M.B.	Cotton, James Milton	Lambton Mills.
1881	M.B.	Cotton, Robert	Regina, N. W. T.
1882	M.B.	Coulter, Robert	Aurora.
1885	M.B.	Courtney, John Dickson	Morrison.
1875	M.B.	Covernton, Theodore Selby	Toronto.
1877	M.D.		
1863	M.B.	Covernton, William Hutchins	Buenos Ayres, S. A.
1868	M.D.		
1871	M.B.	Cowan, George Hoyle	Napanee.
1866	M.B.	Cowan, Samuel	Harriston.
1859	M.B.	Cronyn, John	Buffalo, N. Y.
1860	M.D.		
1880	M.B.	Cross, William James	Australia.
1872	M.B.	Crozier, John Beattie	London, Eng.
1888	M.B.	Cummings, Samuel	New York.
1883	M.B.	Cuthbertson, William	Brooklin.

D.

1863	M.B.	Dack, Thomas Benjamin	Creemore.
1878	M.B.	Dafoe, William Allan	Madoc.
1878	M.B.	Davidson, Alexander	Toronto.
1888	M.B.	Dawson, F. J.	Toronto.
1862	M.B.	DeGrassi, George Philip	(Ob.)
1865	M.B.	DeLaHaye, Alcide	(Ob.)
1871	M.B.	DeLaMatter, Robert Hamel	Attercliffe.
1878	M.B.	DeLom, Henry Anthony	London.
1853	M.D.	Desmond, Humphrey	
1880	M.B.	Dickson, John Forrest	St. Louis, Mo.
1884	M.B.	Dolsen, Francis James	(Ob.)
1871	M.B.	Donaldson, John	Jarrat's Corners.
1864	M.B.	Douglas, Charles	Detroit.
1867	M.B.	Douglas, William	Fort Erie.
1878	M.B.	Doupe, William Henry	(Ob.)
1884	M.B.	Draper, Joseph Sandford	(Ob.)
1886	M.B.	Drummond, Herbert Edwin	Pontypore.
1887	M.B.	Dryden, George Frederick	Rockwood.
1879	M.B.	Dryden, James Robert	Rockwood.
1879	M.B.	Duck, William Benjamin	Preston.
1888	M.D.		
1878	M.B.	Duggan, Frederick Joseph	Grand Forks, Dak.
1881	M.B.	Duncan, James Henry	Chatham.
1882	M.B.	Duncan, John Thomas	Toronto.
1887	M.B.	Durand, Charles Frederick	

E.

Date of
Admission.

1871	M.B.	Eakins, James	Port Crescent, Mich.
1875	M.B.	Eakins, James Edwin	Belleville.
1853	M.D.	Eastwood, William Octavus	Whitby.
1851	M.D.	Eastwood, Charles Septimas	(Ob.)
1887	M.B.	Eastwood, John Havelock	Whitby.
1882	M.B.	Eastwood, William F.	Claremont.
1864	M.B.	Eby, Aaron	Sebringville.
1867	M.B.	Eccles, Friend Richard	London.
1868	M.D.		
1862	M.B.	Eckhardt, Thomas Philip	(Ob.)
1881	M.B.	Edmondson, William Constantine	(Ob.)
1889	M.B.	Egbert, Wm.	Dunnville.
1881	M.B.	Elliott, Howard Roxboro	Brucefield.
1861	M.B.	Elliott, John	(Ob.)
1880	M.B.	Ellis, Judson	Muskegon City, Mich.
1870	M.B.	Ellis, William Hodgson	Toronto.
1877	M.B.	Esmond, John Jackson	Peterborough.
1868	M.B.	Evans, Lewis Hamilton	Toronto.
1869	M.D.		
1887	M.B.	Ego, Angus	Tottenham.

F.

1874	M.B.	Farewell, Adolphus	Glanfield.
1875	M.D.		
1859	M.B.	Fell, Hampden Hagar	Hollen.
1873	M.D.		
1881	M.B.	Ferguson, Alexander H.	Winnipeg.
1888	M.B.	Ferguson, J. G.	Cookstown.
1880	M.B.	Ferguson, John	Toronto.
1888	M.D.		
1888	M.B.	Ferguson, T. A.	Elgin Ave., Toronto.
1888	M.B.	Féré, G. A.	Toronto
1873	M.B.	Ferrier, William	(Ob.)
1875	M.D.		
1877	M.B.	Field, Byron	Toronto.
1870	M.B.	Fisher, Alfred	Creek Bank.
1877	M.B.	Fisher, David Merritt	Creemore.
1882	M.B.	Fisher, Richard Magee	Wiarton.
1869	M.B.	Ford, Samuel Payne	Norwood.
1872	M.D.		
1872	M.B.	Forrest, William	Bradford.
1872	M.D.		
1872	M.B.	Forrest, Robert Wilson	Mount Albert.
1859	M.B.	Francis, William Totten	Manitowaning.
1874	M.B.	Fraser, Donald Blair	Stratford.
1874	M.B.	Fraser, Duncan	Peterborough.
1882	M.B.	Freel, Albert Ira	Stouffville.
1853	M.D.	Freeman, Clarkson	Milton.
1883	M.B.	Freeman, William F.	Walkerton.
1882	M.B.	Fr st, Robert Samuel	Kinmount.
1864	M.B.	Fulton, John	(Ob.)

K.

Date of
Admission.

1887	M.B.	Keane, Michael Joseph	
1864	M.B.	} Kelly, Michael Joseph	Brantford.
1867	M.D.		
1878	M.B.	Kennedy, George Allen	Fort Walsh, N. W. T.
1866	M.B.	Kennedy, John Edward	Chicago.
1882	M.B.	Kent, Frederick Darwin	Bracebridge.
1881	M.B.	Kerr, Henry Kay	Hammond, N. Y.
1879	M.B.	Kidd, Thomas Albert	Carp.
1889	M.D.	King, E. E. (<i>Ad eundem gradum</i>)	Toronto.
1887	M.D.	King, J. S. (<i>Ad eundem gradum</i>)	Toronto.
1869	M.B.	King, Daniel Joseph	(Ob.)
1859	M.B.	King, John	(Ob.)
1865	M.B.	Kitchen, Edward Elward	St. George.
1888	M.B.	Kitchen, Fred. W.	Paris.
1882	M.B.	} Knill, Edwin Gilmore	Markham.
1884	M.D.		
1885	M.B.	Knisley, Andrew B	Humberstone.
1876	M.B.	Knowles, William Rattray	Nassau, Bah.
1885	M.B.	Krick, Charles Augustus	Marshville.

L.

1887	M.B.	Lackner, Alfred E.	Berlin.
1876	M.B.	Lackner, Henry George	Berlin.
1882	M.B.	Lafferty, James	Hamilton.
1888	M.B.	Langford, C. B.	Toronto.
1866	M.B.	Langrill, John Alexander	Jarvis.
1864	M.B.	} Langs, Major S	Suspension Bridge.
1865	M.D.		
1877	M.B.	Langstaff, George Augustus	King.
1878	M.B.	} Langstaff, John Elliot	Richmond Hill.
1879	M.D.		
1873	M.B.	Lean, Thomas	Roseneath.
1870	M.B.	Ledyard, William Edward	San Francisco.
1879	M.B.	Lehman, William	Toronto.
1883	M.B.	Lepper, William J.	Aurora.
1879	M.B.	} Lesslie, Joseph Walter	Toronto.
1880	M.D.		
1875	M.B.	} Lesslie, Rolph Bidwell	
1876	M.D.		
1878	M.B.	} Lett, Stephen	Guelph.
1879	M.D.		
1888	M.B.	Little, T. H.	Owen Sound.
1880	M.B.	Lundy, Frank Bostwick	Portage la Prairie.

M.

1888	M.B.	Macallum, Archibald B.	Toronto.
1887	M.B.	Macallum, Hugh Alexander	London.
1872	M.B.	} Macdonald, Albert Angus	Toronto.
1888	M.D.		
1881	M.B.	Machell, Arthur George	Owen Sound.
1873	M.B.	} Machell, Henry Thomas	Toronto.
1888	M.D.		

M.

Date of
Admission.

1887	M.B.	MacKay, Albert E.	.....
1853	M.D.	MacKenzie, Matthew Bel.	.....	(Ob.)
1879	M.B.	Mackid, Henry Goodsir.	.....	Seaforth.
1876	M.B.	Mackie, John Macdonald	.....	Portage la Prairie.
1887	M.D.			
1871	M.B.	MacKinnon, Angus	.....	Guelph.
1872	M.D.			
1877	M.B.	Macklin, Marshall.	.....	Portage la Prairie.
1880	M.B.	MacIn, William Edward	.....	Poplar Hill.
1886	M.B.	Macoun, John	.....	Campbellford.
1888	M.B.	Manes, J. T.	.....	Churchville.
1880	M.B.	Martin, Martin.	.....	Murray Harbor.
1860	M.B.	Martin, Dewitt Harry	.....	Kincardine.
1866	M.D.			
1881	M.B.	May, Playter	.....	(Ob.)
1881	M.B.	Mearns, William Andrew	.....	Hanover.
1889	M.B.	Meek, Alton	.....	Alton.
1878	M.B.	Meek, Harry.	.....	Port Stanley.
1883	M.B.	Meikle, Thomas D.	.....	Mount Forest.
1883	M.B.	Meldrum, John Andrew.	.....	Princeton Ont.
1873	M.B.	Meldrum, Norman William.	.....	Ayr.
1881	M.B.	Meldrum, Peter Gordon	.....	Whitby.
1888	M.D.			
1882	M.B.	Mennie, John George.	.....	Bellwood.
1872	M.B.	Metcalf, William George	.....	(Ob.)
1874	M.D.			
1866	M.B.	Mickle, William Julius	.....	London, Eng.
1867	M.D.			
1858	M.B.	Millar, Thomas	.....	Hamilton.
1859	M.D.			
1867	M.B.	Miller, William Henry	.....	Jamacia.
1870	M.D.			
1879	M.B.	Mills, Robert Philo.	.....	Sutton.
1864	M.B.	Milne, William.	.....	Claremont.
1882	M.B.	Milroy, Thomas McKetchie.	.....	Byng Inlet.
1885	M.B.	Minchin, David John	.....	Berlin.
1867	M.B.	Montgomery, John	.....	Ardoch, Dak.
1868	M.D.			
1881	M.B.	Montgomery, William Abraham Dawson	.....	Chicago.
1871	M.B.	Moore, Charles Young.	.....	Brampton.
1872	M.B.	Morrison, Joseph.	.....	Washington, D. C.
1873	M.B.	Morrow, Charles	.....	(Ob.)
1860	M.B.	Morton, Edward Deane	.....	Barrie.
1866	M.B.	Morton, William.	.....	Wellesley.
1880	M.B.	Munro, William Albert.	.....	Newington.
1875	M.B.	Murray, Sidney Smith	.....	Thorndale.
1881	M.D.			
1886	M.B.	Mustard, James Wright.	.....	Meredith, Mich.

Mc.

Date of Admission.		
1863 M.B.	McAlpine, Dugald Leitch.....	Glencoe.
1875 M.B.	McAlpine, John.....	Janetville.
1869 M.B.	} McArthur, John C	(Ob.)
1870 M.D.		
1881 M.B.	McBride, John.....	Heathcote.
1863 M.B.	} McCallum, James.....	Culloden.
1889 M.D.		
1879 M.B.	} McCarroll, John	Detroit.
1880 M.D.		
1865 M.B.	McCarthy, Daniel	(Ob.)
1865 M.B.	McCarthy, John Leigh Goldie.....	Barrie.
1872 M.B.	McClure, William.....	Thorold.
1889 M.B.	McCull, Hugh A	Georgetown.
1869 M.B.	McCollum, John Henry	(Ob.)
1866 M.B.	McConnell, John	Toronto
1869 M.B.	McConnell, John Davidson.....	Brockton.
1863 M.B.	McCool, Daniel B	(Ob.)
1881 M.B.	McCracken, Charles Larkin	Serpent River, Algoma.
1866 M.B.	} McCullough, James	Toronto.
1867 M.D.		
1879 M.B.	McDiarmid, Andrew.....	Winnipeg.
1866 M.B.	} McDiarmid, Peter	Malvern.
1868 M.D.		
1876 M.B.	} McDonagh, George Raymond.	Toronto.
1888 M.D.		
1880 M.B.	McDonald, Charles.....	Tilsonburg.
1864 M.B.	McDonhld, James Fletcher.....	Cnge, soll.
1879 M.B.	McFadden, John James.	Neepawa.
1867 M.B.	} McFarlane, Lachlan	Toronto.
1888 M.D.		
1888 M.B.	McGillawee, John	Shakespeare.
1878 M.B.	McGrath, John.....	Arthur.
1875 M.B.	McGregor, John Owen.....	Morrisburg.
1879 M.B.	McIlhargey, John Joseph.....	Lucan.
1866 M.B.	McIntyre, Neil.....	West Winchester.
1889.	McKay, Donald	Bradford.
1866 M.B.	} McKay, Alexander	Beaverton.
1867 M.D.		
1863 M.B.	McKay, William....	Howick, Que.
1878 M.B.	McKay, William.....	Toronto.
1865 M.B.	McKenna, Charles.	Athlone.
1889 M.D.	McKenzie, B. E. (<i>Ad eundem gradum</i>)	Toronto.
1884 M.B.	} McKenzie, Alexander Felsted	Belgrave.
1888 M.D.		
1886 M.B.	McKenzie, Dugald.....	Dinmore.
1887 M.B.	McKeuzie, Thomas	Parkdale.
1877 M.B.	McKeough, George Thomas.....	Chatham.
1877 M.B.	McKinnon, Archibald Hugh.....	Guelph.
1879 M.B.	McKinnon, John Alexander....	Charlottetown, P. E. I.
1889 M.B.	McLachlan, Charles.....	Rockside.
1864 M.B.	McLaughlin, Jas. Wellington.....	Bowmanville.
1879 M.B.	McLean, Peter Duncan.....	Jarrat's Corners.
1872 M.B.	} McLellan, Charles	Trenton.
1888 M.D.		
1887 M.B.	McMahon, James Augustine	

Mc.

Date of
Admission.

1882	M.B.	McMahon, Thomas F.	Toronto.
1889	M.B.	McNamara, Charles James.	Walkerton.
1879	M.B.	McNamara, George William.	Gorrie.
1876	M.B.	McPhedran, Alexander.	Toronto.
1881	M.B.	McTavish, Duncan A.	London.
1880	M.B.	McWilliam, John.	Thamesford.
1880	M.B.	McWilliam, Robert.	Hespeler.

N.

1883	M.B.	Nasmith, Archibald D.	Crediton.
1879	M.B.	Nelles, David Abraham.	Thornhill.
1864	M.B.	Newman, John Byron	Wallaceburg.
1888	M.D.		
1867	M.B.	Newton, John Hare	Deseronto.
1868	M.D.		
1873	M.B.	Nichol, William.	Stratford.
1881	M.B.	Nicholson, Malcolm Alexander.	
1864	M.B.	Nicol, Henry Boys	Cookstown.
1865	M.D.		
1850	M.D.	Nicol, William Bulmer (<i>Hon.</i>)	(<i>Ob.</i>)
1886	M.B.	Noecker, Charles Tranggott.	Waterloo.

O.

1845	M.D.	O'Brien, Lucius.	(<i>Ob.</i>)
1888	M.B.	Ochs, Anthony	Hespeler.
1868	M.B.	Ogden, Jehu.	Toronto.
1860	M.B.	Ogden, William Winslow.	Toronto.
1878	M.B.	Ogg, Alexander Stark	Gundaiga, N. W. S.
1884	M.D.		
1870	M.B.	Ogilvie, Robert C.	Port Hope, Mich.
1858	M.B.	Oille, Lucius Sterne	St. Catharines.
1859	M.D.		
1865	M.B.	Oldright, William	Toronto.
1867	M.D.		
1882	M.B.	Oliphant, William Hemes.	Toronto.
1887	M.B.	Olmsted, Ingersoll	Hamilton.
1875	M.B.	O'Neil, Edward	
1880	M.D.		
1866	M.B.	Oronhyatekha	London.
1867	M.D.		
1877	M.B.	Orr, Rowland Beatty.	Maple.
1863	M.B.	Orton, Richard.	Guelph.

P.

1887	M.B.	Perfect, Alfred E. A. H.	Orangeville.
1887	M.B.	Palmer, Jeremiah Allen	
1867	M.B.	Palmer, R. N.	Brantford.
1868	M.D.		
1889	M.B.	Palmer, Ralph Herbert	Danforth.
1877	M.B.	Panton, James Hoyes	Guelph.
1878	M.D.		
1882	M.B.	Panton, Andrew Cuthden.	Portland, O.
1875	M.B.	Park, Hugh.	Port Robinson.

P.

Date of
Admission.

1879	M.B.	{	Park, Theodore James	Amherstburg.			
1880	M.D.						
1877	M.B.	Parke, William Tiffany			Miverton.		
1886	M.B.	Parker, Samuel Gothrold					
1865	M.B.	{	Passmore, William Julius	Conestego.			
1866	M.D.						
1874	M.B.	Patterson, Charles Albert			(Ob.)		
1884	M.B.	Patterson, James Wilson			(Ob.)		
1880	M.B.	Patterson, Robert			Moorehead, Minn.		
1888	M.B.	Patton, Joseph Churchill			Toronto.		
1886	M.B.	Peaker, John W.			Toronto.		
1865	M.B.	Pentland, William R.			Drumbo.		
1886	M.B.	Peters, George A.			Toronto		
1881	M.B.	Peters, William Francis			Michipicoten River.		
1872	M.B.	Peterson, Henry			Fort Wayne, Ind.		
1870	M.B.	{	Pettigrew, George Alexander	Campbellford.			
1888	M.D.						
1889	M.B.	Phair, Wm. Robert G.			Uxbridge.		
1859	M.B.	{	Phillips, Thomas Graham	Winnipeg.			
1860	M.D.						
1860	M.B.	{	Playter, Edward.	Ottawa.			
1868	M.D.						
1869	M.B.	{	Pollard, Stephen Ballard	Toronto.			
1888	M.D.						
1861	M.B.	Pollock, Duncan James			(Ob.)		
1878	M.B.	Pomeroy, John Reynolds			Dresden.		
1885	M.B.	Pool, Daniel			St. Paul, Minn.		
1864	M.B.	Potts, Robert			(Ob.)		
1879	M.B.	{	Prouse, Edwin ..	Essex Centre.			
1888	M.D.						
1887	M.B.	Pyne, Albert Robert			Toronto.		
1878	M.B.	{	Pyne, Robert Allan ..	Toronto.			
1880	M.D.						

R.

1880	M.B.	Radford, Joseph Henry	.....	Galt.
1865	M.B.	} Rae, Francis	.....	Oshawa.
1886	M.D.			
1863	M.B.	Ramsay, William Francis	.....	(Ob.)
1878	M.B.	Rankin, James Palmer	.....	Tavistock.
1882	M.B.	} Ray, John Wesley	.....	Little Britain.
1888	M.D.			
1889	M.D.	Reeve, R. A. (<i>Ad eundem gradum</i>)	.....	Toronto.
1887	M.B.	Reid, John Buchanan	.....
1875	M.B.	Renwick, James Weir	.....	Scotland, Ont.
1870	M.B.	Reynolds, Thomas Noble	.....	(Ob.)
1877	M.B.	Richards, Nicholas Dennis	.....	Warkworth.
1867	M.B.	} Richardson, Henry	.....	Ancaster.
1870	M.D.			
1848	M.B.	} Richardson, James Henry	.....	Toronto.
1850	M.D.			
1873	M.B.	Richardson, Joseph	.....	Scarborough.
1871	M.B.	Richardson, Samuel Rescott	.....	Eglington.
1886	M.B.	Richardson, Wm. Augustus	.....	Toronto.

R.

Date of
Admission.

1889	M.D.	Riordan, Bruce L.— (<i>Ad eundem gradum</i>)	Toronto.
1870	M.B.	Robertson, Hugh	Toronto.
1878	M.B.	Robinson, Alexander	Unionville.
1869	M.B.	Robinson, Andrew Rose	New York.
1872	M.B.	Robinson, Jonathan	London.
1873	M.B.	Robinson, Robert Hunter	Toronto.
1878	M.D.		
1883	M.B.	Robinson, William John	Arthur.
1878	M.B.	Robson, William Telfer	Vanneck.
1888	M.D.		
1882	M.B.	Rogers, Samuel Robert	Mount Forest.
1878	M.B.	Ross, James Frederick William	Toronto.
1888	M.D.		
1870	M.B.	Rowan, Peter Joseph	Chicago.
1879	M.B.	Rowe, George Gilbert	Parkdale.
1888	M.D.		
1889	M.B.	Rutherford, Samuel T.	Millbank.

S.

1876	M.B.	Sanderson, Albert	Emerson, Man.
1889	M.B.	Sangster, Walter A.	Stouffville.
1885	M.B.	Saunders, Mark Richard	
1889	M.D.	Scadding, H. C. (<i>Ad eundem gradum</i>)	Toronto.
1874	M.B.	Schmidt, George	New Hamburg.
1872	M.B.	Scott, Alexander	Forest.
1888	M.D.		
1858	M.D.	Scott, John. (<i>Ad eundem</i>)	(Ob.)
1888	M.B.	Scott, J. A.	
1887	M.B.	Shannon, John Reginald	
1863	M.B.	Shantz, Samuel E	(Ob.)
1864	M.D.		
1879	M.B.	Sharpe, John William	McClure, O.
1879	M.B.	Shaw, Frank Wood	Gravenhurst.
1874	M.B.	Shaw, George	Hamilton.
1888	M.D.		
1880	M.B.	Shaw, John E	Chippewa.
1882	M.B.	Shore, John Edward	Berlin.
1864	M.B.	Sill, Abraham	(Ob.)
1866	M.D.		
1889	M.B.	Silverthorn, Gideon	Summerville.
1866	M.B.	Sinclair, John	St. Marys.
1864	M.B.	Sinclair, Lachlin Curray	Tilsonburg.
1888	M.B.	Sisley, Eusten	Toronto.
1868	M.B.	Sloane, Allan Cary	Annan.
1865	M.B.	Smale, Samuel Blythe	Wroxeter.
1888	M.D.		
1870	M.B.	Smith, Charles Merrill	Orangeville.
1866	M.B.	Smith, Daniel	Hamilton.
1867	M.D.		
1880	M.B.	Smith, George B.	Toronto.
1880	M.B.	Smith, Harvey Wellington	Caronsville, Mich.
1877	M.B.	Smith, James Bruce	(Ob.)
1876	M.B.	Smith, John Washington	Sheffield.
1888	M.B.	Smith, William Harley	Toronto.
1867	M.B.	Sparks, Thomas	Lakeside.

S.

Date of
Admission.

1884	M.B.	Spence, James	Toronto.
1879	M.B.	} Spencer, Bertram	Toronto.
1881	M.D.		
1885	M.B.	Staebler, David M	Port Elgin.
1878	M.B.	Stalker, Malcolm	Ripley.
1870	M.B.	Standish John	Palmerston.
1878	M.B.	Stanley, Uriah Murdock	Stratford.
1889	M.B.	Starr, Fred. Newton G	Toronto.
1868	M.B.	Steele, Charles Albert	(Ob.)
1879	M.B.	Stevenson, Frederick Coney	Bradford.
1877	M.B.	Stewart, Duncan A.	Ailsa Craig.
1863	M.B.	Stewart, James W	
1884	M.B.	Stewart, Samuel	Wallaceburg.
1888	M.B.	Stewart, William Oliphant	Guelph.
1888	M.B.	Stinson, A. W.	Codrington.
1889	M.B.	Stone, John Robinson	Parkdale.
1870	M.B.	Stone, Daniel Franklin	Metamora, Mich.
1889	M.B.	Stringer, T. L.	
1884	M.B.	Stuart, Robert Lorne	
1877	M.B.	Stuart, William Theophilus	Toronto.
1866	M.B.	Stubbs, Joseph	(Ob.)
1866	M.B.	Sutton, Henry Hugh	Madoc.
1869	M.B.	Swan, Thomas	Hespeler.
1881	M.B.	Sweetnam, Lesslie Matthew	Toronto.

T.

1871	M.B.	} Taylor, Alexander	Goderich.
1888	M.D.		
1874	M.B.	Taylor, Charles Edward Stuart	Arcadia.
1868	M.B.	Taylor, William Henry	Bradford.
1861	M.B.	Tempest, William	(Ob.)
1865	M.B.	} Tennent, John Somerville	Lucknow.
1869	M.D.		
1864	M.B.	} Thom, John Condie	Streetsville.
1866	M.D.		
1880	M.B.	Thomson, George B.	Sumner, Ia.
1886	M.B.	Thompson, Alexander Stuart	Detroit.
1888	M.B.	Thompson, P. W.	
1859	M.D.	Thorburn, James. (<i>Ad eundem.</i>)	Toronto.
1865	M.B.	Thorburn, Richard	Colborne.
1887	M.D.	Thorburn, James Daniel	Toronto.
1880	M.B.	Thuresson, Eyre Mortimer	
1864	M.B.	Tisdale, J. C.	(Ob.)
1877	M.B.	Tisdale, Walter	Londoch.
1860	M.B.	} Tisdell, Francis B	(Ob.)
1861	M.D.		
1879	M.B.	Todd, James Allan	Toronto.
1873	M.B.	Torrance, John	(Ob.)
1888	M.B.	Towle, R. E.	
1881	M.B.	Tracey, William James	Westfield, Mass.
1863	M.B.	Trenor, J. B.	(Ob.)
1875	M.B.	} Trimble, Robert John	Queenston.
1888	M.D.		
1889	M.B.	Turnbull, James L.	Newton.

T.

Date of
Admission.

1859	M.D.	Turner, Henry. (<i>Ad eundem</i>)	Millbrook.
1876	M.B.	Tyrrell, Robert Shaw	Toronto.

V.

1864	M.B.	Vail, Charles Lewis	Sarnia.
1878	M.B.	Vanderburg, James Francis	Meriton.
1881	M.B.	Vandervort, Elgin Dorland	Queenboro'.
1879	M.B.	VanNorman, Henry Clinton	New York.

W.

1868	M.B.	Wadsworth, Andrew H. B	Fox Lake, Wis.
1869	M.B.	Wadsworth, James Joseph	Simcoe.
1870	M.B.	Wagner, William Jacob	Toronto.
1857	M.B.	Walker, Nathaniel Osborne	Port Dover.
1859	M.D.		
1866	M.B.	Wallace, James	Alma.
1867	M.D.		
1881	M.B.	Wallace, Matthew	Toronto.
1882	M.B.	Wallace, Robert Richard	Hamilton.
1889	M.B.	Wallwin, Henry	Toronto.
1882	M.B.	Walmsley, Peter Clark	Milford.
1887	M.B.	Walters, William Rundle	Coleman.
1887	M.B.	Watson, W. R.	
1861	M.B.	Wanless, John	Montreal.
1862	M.D.		
1868	M.B.	Waters, George	Cobourg.
1889	M.B.	Webster, John	Toronto.
1889	M.B.	Webstor, Thomas S.	Fergus.
1888	M.B.	Weir, T. P.	Toronto.
1886	M.B.	Weld, Octavius	London.
1880	M.B.	Welford, Albert Beverley	Woodstock.
1871	M.B.	Wells, Samuel Machell	Barrie.
1849	M.B.	Westropp, Robert Giddings	
1875	M.B.	White, James	Hamilton.
1877	M.D.		
1870	M.B.	White, John Edward	Toronto.
1888	M.D.		
1865	M.B.	White, Thomas	(Ob.)
1866	M.D.		
1874	M.B.	Whitehead, Alexander J.	(Ob.)
1874	M.B.	Whiteman, Robert	Shakespeare.
1864	M.B.	Whiteside, William Noble	Beeton.
1866	M.B.	Wilkins, George	Montreal.
1868	M.D.		
1877	M.B.	Wilkinson, Frederick Byron	Mooretown, Ont.
1870	M.B.	Williams, Alfred	
1866	M.B.	Williams, Richard Watson	Clinton.
1888	M.B.	Willmott, J. W.	
1889	M.B.	Willson, Arthur Isaac	Berlin.
1878	M.B.	Wilson, Archibald	Fenelon Falls.
1878	M.B.	Wilson, David Henry	Carp.
1880	M.B.	Wilson, Robert	St. Marys.
1879	M.B.	Wilson, Thomas Hubert	Hamilton.

W.

Date of
Admission.

1876	M.B..	} Wilson, William John	Richmond Hill.
1877	M.D..		
1864	M.B..	Winn, Theophilus Brooks	Nassagaweya.
1889	M.D..	Winnett, F. (<i>Ad eundem gradum</i>)	Toronto.
1877	M.B..	Winskell, William Edwin	Brantford.
1881	M.B..	Witherspoon, William Lawrence	
1856	M.B..	} Woodruff, William	London.
	M.D..		
1889	M.B..	Wright, W. McC	
1873	M.B..	} Wright, Adam Henry	Toronto.
1888	M.D..		
1872	M.B..	Wright, Frederick Henry	(Ob.)
1867	M.B..	Wright, George	Toronto.

Y.

1889	M.B..	Yeomans, Horace A	Belleville.
1877	M.B..	Young, Oliver	Londesborough.

Z.

1872	M.B..	} Zimmerman, Richard	(Ob.)
1877	M.D..		

College of Physicians and Surgeons, OF ONTARIO.

REGULATIONS FOR 1889-90.

SECTION I.

MATRICULATION.

1. Every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, on and after 1st July, 1889, must present to the Registrar the official certificate of having passed the Second Class Non-Professional Examination—as prescribed for Form II, of the High School course of Study—embracing the following subjects :

- | | |
|-----------------------|------------------------------|
| 1. READING. | 2. ORTHOGRAPHY AND ORTHOEPY. |
| 3. ENGLISH GRAMMAR. | 4. COMPOSITION. |
| 5. LITERATURE. | 6. ENGLISH HISTORY. |
| 7. GEOGRAPHY—(Modern) | 8. ARITHMETIC. |
| 9. ALGEBRA. | 10. GEOMETRY. |
| 12. PHYSICS. | 13. CHEMISTRY. |
| 14. BOTANY. | 15. LATIN. |
| 21. DRAWING. | |

whereupon he shall be entitled to be so registered upon the payment of twenty dollars, and giving proof of his identity.

2. Graduates in Arts, or Students having Matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass the Examination, but may register their names with the Registrar of the College; upon giving satisfactory evidence of their qualifications, and upon paying the fee of twenty dollars.

3. Every Medical Student, after Matriculating, shall be registered in the manner prescribed by the Council, and this will be held to be the preliminary to his Medical Studies, which will only be considered to begin from the date of such registration.

SECTION II.

MEDICAL CURRICULUM.

1. Every Student must spend a period of Four Years in actual Professional studies, except as hereinafter provided ; and the prescribed period of studies shall include Four Winter Sessions of six months each and one Summer Session of ten weeks duration, attended AFTER being registered as a Medical Student in the Register of the College of Physicians and Surgeons of Ontario.

2. Graduates in Arts of any College or University recognized by the Council will only be required to pass Three Years after graduating in attendance upon Medical Lectures, before being admitted to their Final Examination.

3. Applications for every Professional Examination must be made to the Registrar of the College of Physicians and Surgeons of Ontario, by the last Tuesday in March before such Examination, and no application will be received unless accompanied by the necessary Tickets and Certificates, and by the Treasurer's receipt showing that the fees have been paid.

4. Each "Six Months' Course" shall consist of not less than One Hundred Lectures.

5. Every Student must attend the undermentioned Courses of Lectures in a University, College or School of Medicine approved of by the Council, viz. :—

Two Courses of not less than Six Months each (in different years) upon

ANATOMY,
PRACTICAL ANATOMY,
PHYSIOLOGY (including Histology),
THEORETICAL CHEMISTRY,
MATERIA MEDICA AND THERAPEUTICS,
PRINCIPLES AND PRACTICE OF MEDICINE,
PRINCIPLES AND PRACTICE OF SURGERY,
MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN,
CLINICAL MEDICINE,
CLINICAL SURGERY,

In conformity with Clause 5.

Two Courses of Three Months upon

MEDICAL JURISPRUDENCE,

One Course of not less than Fifty Lectures and Demonstrations on

MEDICAL AND SURGICAL TOPOGRAPHICAL ANATOMY.

One Course of Three Months upon

PRACTICAL CHEMISTRY, INCLUDING TOXICOLOGY,
BOTANY,

One course of not less than Twenty-five demonstrations each upon

PHYSIOLOGICAL AND PATHOLOGICAL HISTOLOGY.

One course of Twenty Lectures on

SANITARY SCIENCE.

6. Every Candidate will be required to prove that he has carefully dissected the whole adult human body.

7. Every Student, before being admitted to the Final Examination, hereinafter mentioned, must have spent a period of Six Months in the office of a regularly-qualified Medical Practitioner, in compounding medicines.

8. He must have attended the practice of a General Hospital for twenty-four months.

9. He must have attended Six cases of Midwifery.

10. All Graduates in Medicine from recognized colleges outside the Dominion of Canada, who desire to qualify themselves for registration, must pass the matriculation examination recognized by the Council, and must attend thereafter one or more full winter courses of lectures in one of the Ontario medical schools, so as to complete fully the curriculum required by the Council, and shall pass before the examiners appointed by the Council all the examinations hereinafter prescribed.

SECTION III.

EXAMINATIONS.

1. The Professional Examinations are divided into two parts, a "Primary" and a "Final."

2. The Primary Examinations shall be undergone after the Second Winter Season, and the Final after the Fourth Winter Season.

3. The following branches shall be embraced in the Primary Examinations :

- a. DESCRIPTIVE ANATOMY.
- b. PHYSIOLOGY AND HISTOLOGY.
- c. CHEMISTRY, Theoretical and Practical.
- d. TOXICOLOGY.
- e. MATERIA MEDICA AND PHARMACY.

4. Each Candidate for the Primary Examination will be required to present with his Lecture Tickets a Certificate of having undergone an Examination at the school he has attended at the close of his First Winter Session, on Anatomy, Physiology, Chemistry and Botany. Such Examination shall not, however, in any way affect the Primary Examination of the Council. Each Candidate for the Primary Examination shall be required to present in addition to the other certificates required a certificate of ability to make and mount microscopic specimens. Each Candidate for final Examination must present a certificate of attendance at six *post-mortems* and a certificate of ability to draw up a report of a *post-mortem* examination, also a certificate of having reported satisfactorily on six cases of clinical medicine and six of clinical surgery.

5. The following branches shall be embraced in the Final Examination :

- a. MEDICAL AND SURGICAL ANATOMY.
- b. PRINCIPLES AND PRACTICE OF MEDICINE AND THERAPEUTICS.
- c. GENERAL PATHOLOGY.
- d. SURGERY, other than operative.
- e. SURGERY, Operative.
- f. MIDWIFERY, (other than operative), PUERPERAL AND INFANTILE DISEASES.
- g. MIDWIFERY, Operative.
- h. MEDICAL JURISPRUDENCE AND SANITARY SCIENCE.

6. The Primary Examination shall be "Written" and "Oral." The final Examination shall be "Written" and "Oral."

7. Any Candidate who passes creditably in three or more branches, but fails in the others, shall receive credit for the subjects so passed, and be compelled to pass in the other branches *only*, at a subsequent Examination.

8. In the event of any Candidate signifying his intention to the Registrar to be examined and registered as a Homœopathic Practitioner, due notice of such must be submitted to the Registrar.

11. The next Professional Examination will commence on the third Tuesday in September, 1889, and the Examination next Spring will commence on the second Tuesday in April, 1890.

FEES.

1. The following scale of fees has been established by the Council of the College of Physicians and Surgeons of Ontario :

<i>a.</i> REGISTRATION OF MATRICULATION.....	\$20 00
<i>b.</i> PRIMARY EXAMINATION.....	30 00
<i>c.</i> FINAL EXAMINATION, INCLUDING REGISTRATION.....	50 00

These fees are to be paid to the Treasurer of the College
before each examination.

<i>d.</i> ORDINARY REGISTRATION FEE.....	25 00
<i>e.</i> REGISTRATION OF ADDITIONAL DEGREES OR TITLES	2 00

2. Candidates who have failed in any professional Examination shall pay a fee of \$10 for each subsequent Examination.

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3. They contain each a very small dose, so that by giving one at a time—they may be repeated often—the taste of the drug is hardly, if at all, perceived.
4. Being made with sugar of milk, one of them (if not taken whole) added to a little milk or other fluid, is at once "broken up" and distributed throughout the liquid.
5. Pulverulent substances, like calomel, are by this means especially distributed well, and for the moment suspended throughout the fluid.
6. Being very small, and not globular, they are easy to swallow.
7. They do not harden and become insoluble with time, nor do they crumble, like pills.
8. They afford the advantages derivable from the administration of small doses repeated often, which are: 1. That if the drug be given in but little liquid, the absorbent power of the mucous membrane of the mouth and gullet are called repeatedly into requisition. 2. That if given on an empty stomach (as is generally desirable) unpleasant symptoms are avoidable. 3. In case of idiosyncrasy, the doses can be stopped before large amounts have been given. Administered in this way, drugs are better tolerated than is otherwise the case.
9. A greater effect is alleged to be obtainable by this method from a small quantity of medicine than is possible by the usual plan.
10. In some cases Compressed Triturates are repeated as often as every five or ten minutes, and it is surprising how soon a very small dose of medicine repeated often amounts to a very large quantity.
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